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Art.—XIII.—*A Catalogue of Type and Figured Specimens of Fossils in the Melbourne University Geology Department.*

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Abstract.

The Geological Museum of Melbourne University contains more than 200 primary or supplementary type specimens. These are listed under the appropriate species, which are arranged alphabetically under larger biological groups. For each, the literature, geological horizon, locality and source are given. The new terms, tectoholotype, tectosyntype, and tectohypotype are proposed.

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Introduction.

The importance in systematics of type material, as the ultimate basis of nomenclatural species, is now generally recognized. It follows that not only should such type material be carefully preserved in museums, but also that information as to the type specimens contained in each museum should be made generally available.

The catalogue which follows is an endeavour by the author, as curator of the Geological Museum of the University of Melbourne, Australia, to furnish this information for the primary and supplementary type specimens registered in its fossil collections. All registered fossils bear the register number in black ink or in white paint, while type specimens are distinguished by small painted discs which are red in the case of holotypes and syntypes, and green in the case of paratypes and hypotypes. Thin sections of fossils are catalogued separately and bear an independent series of register numbers, but those used in descriptions or figures (tectotypes) are marked as above.

In general, the terminology is that recommended by Frizzell (2), with the addition of Chapman's (1) terms *tectotype* and *tectoparatype*, which were not included in Frizzell's most useful list of terms, and of the new terms *tectoholotype*, *tectosyntype*, and *tectohypotype* herein proposed. These are defined together with definitions, taken from Frizzell's and Chapman's papers above cited, of the other terms used in this catalogue.

PRIMARY TYPES.

Holotype—a single specimen (or fragment) upon which a species is based.

Paratype—a specimen, other than the holotype, upon which an original specific description is based.

Syntype—any specimen of the author's original material when no holotype was designated; or any of a series of specimens described as " cotypes " of equal rank.

SUPPLEMENTARY TYPES.

Hypotype—a described or figured specimen, used in publication in extending or correcting the knowledge of a previously defined species.

Plastotype—any artificial specimen moulded directly from a type.

Tectotype—a specimen, fragmentary or otherwise, which is selected to elucidate the microscopic structure, internal or external, of a species or genus (1, p. 62).

Chapman further states, "A tectotype may be associated, in the case of a species, with the original types (tectoparatype), or with subsequently described specimens (tectoplesiotype)." For this latter term is here substituted *tectohypotype*, in view of the objections to Cossmann's term plesiotype urged by Frizzell (2, pp. 653, 662). In the case of some fossils, notably the stromatoporoids, the original descriptions are commonly based entirely upon thin sections. It seems to the writer that these latter (tectotypes), when prepared from holotype or syntype material, should be termed *tectoholotypes* and *tectosyntypes*, respectively, to distinguish them from those prepared from paratypes, to which the term *tectoparatype* may be restricted. Those who disagree with this proposal will doubtless use tectoparatype to cover all three categories, and should make the necessary changes in the present catalogue, which contains, in addition to type material, figured specimens of fossils not referred to a species, and also a few Recent specimens specifically named and figured in comparison with fossils.

In each biological group the species are arranged alphabetically in order first of generic and then of trivial names. The species name in heavy face type on the left is that under which the type material listed under it was first described. It is, therefore, not necessarily (except in the case of primary types) the earliest name of the species, nor is it necessarily the correct name. Where this latter is known, it is placed on the same line on the right. In several cases, however, notably in the mollusca, the generic location is believed to require alteration but the correct genus for reception of the species has not yet been determined.

Beneath each species name are given references, not necessarily exhaustive, to the literature, and the synonymy. Then follow the register number and other details of the type material in the University of Melbourne; the geological age, not necessarily that attributed by the original author; the locality; and the source of the specimens. In a few instances, explanatory remarks are added. It has been impossible to check some of the references to overseas publications, and the author will be grateful for the pointing out of errors in these or other references.

Papers Cited.

1. F. Chapman.—What are Type Specimens? How should they be named? *Victorian Naturalist*, xxix. (4), pp 59-64. August, 1912.

2. D. L. Frizzell.—Terminology of Types. *American Midland Naturalist*, xiv. (6), pp. 637-668, November, 1933

PLANTAE.

Antarcticoxylon Priestleyi Seward, 1914:—**Rhexoxylon Priestleyi** (Seward, 1914).

Antarcticoxylon Priestleyi A. C. Seward, Brit. Antarctic ("Terra Nova") Exped., 1910, Geology, 1 (1), p. 17, text fig. 3 (p. 6), pls. 4–7, 8 (pars), 1914.

M.U.G.D. No. 1642. Portion of Holotype in British Museum (Nat. Hist.) Lond.

(?) Permian (Beacon Sandstone series).

West side of medial moraine on Priestley Glacier, Terra Nova Bay, South Victoria Land, Antarctica.

Coll. by Northern Party, Scott's Second Expedition, and pres. by R. E. Priestley, 1935.

Obs.—A small piece from a block in the possession of Dr. Priestley, collected during extraction of the original specimen.

Calamites Macnabi Pritchard, 1910.

Calamites macnabi G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 22 (2), p. 261, April, 1910.

M.U.G.D. No. 1851. Holotype, unfigured.

Permo-Carboniferous [Permian?].

"Lower Gangamopteris quarry overlooking the Korkuperrimal Valley" (Pritchard, loc. cit., 1910) =Lower quarry (Morton's quarry), Bald Hill near Bacchus Marsh, Victoria.

The type material, which is very poorly preserved, consists of about a dozen pieces of sandstone which Dr. Pritchard (verbal communication, 11.10.39) states are all from one face of a block.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Rhexoxylon Priestleyi (Seward, 1914).

See *Antarcticoxylon Priestleyi* Seward, 1914.

PORIFERA.

Protospongia reticulata T. S. Hall, 1889.

Protospongia reticulata T. S. Hall, Proc. Roy. Soc. Vic., n.s., 1, p. 60, pl. 4, figs. 1, 2, June, 1889.

M.U.G.D. No. 1082. Holotype, figured by Hall, loc. cit., 1889.

Lower Ordovician (Bendigonian).

Ironbark, Sandhurst [= Bendigo], Victoria.

Coll. J. E. G. Edwards. Exch. with School of Mines, Bendigo.

Receptaculites australis Salter, 1859.

Receptaculites australis J. W. Salter, Figures and Descriptions of Canadian Organic Remains, Decade 1, Geol. Surv. Canada, p. 47, pl. 10, figs. 8-10, 1859. R. Etheridge and W. S. Dun, Rec. Geol. Surv. N. S. Wales, 6, p. 62, pls. 8-10, 1898. F. Chapman, Proc. Roy. Soc. Vic., n.s., 18 (1), p. 7, pl. 2, figs. 2, 4-7; pl. 3; pl. 4, figs. 2-7, 1905. J. Shirley, Quart. Journ. Geol. Soc. Lond., 94 (4), p. 461, pl. 40, figs. 1-4, 1938. E. D. Gill, Proc. Roy. Soc. Vic., n.s., 54 (1), p. 35, pl. 5, figs. 2, 4, 5, 1942.

M.U.G.D. No. 1716. Hypotype, figured by Gill, loc. cit., figs. 2, 4, 1942.

M.U.G.D. No. 1717. Hypotype, counterpart of 1716, figured by Gill, loc. cit., fig. 5, 1942.

Lower Devonian (Yeringian).

Hull Road, Mooroolbark, Victoria. E. D. Gill's Locality No. 13 (Proc. Roy Soc. Vic., n.s., 52 (2), pp. 252 et seq., 1940).

Pres. Rev. E. D. Gill, 24.5.41.

STROMATOPOROIDEA.

Actinostroma compactum Ripper, 1933.

Actinostroma compactum E. A. Ripper, Proc. Roy. Soc. Vic., n.s., 45 (2), p. 153, figs. 5A, B (p. 163), 1st August, 1933. E. A. Ripper, *ibid.*, 50 (1), p. 15, pl. 2, figs. 7, 8, 1937.

M.U.G.D. No. 767. PARATYPE, source of Fossil Sections Nos. 233, 234.

M.U.G.D. No. 767A. Vertical section of paratype No. 767.

M.U.G.D. No. 767B. Tangential section of paratype No. 767.

M.U.G.D. Fossil Section Coll. No. 233. TECTOPARATYPE, vertical section, unfigured, of paratype No. 767.

M.U.G.D. Fossil Section Coll. No. 234. TECTOPARATYPE, tangential section, unfigured, of paratype No. 767.

Lower Devonian (Yeringian).

Mitchell's Quarry, Cave Hill, Lilydale, Victoria.

Sections Nos. 767A and B, though cut from the paratype, were not used in the original work and are therefore not regarded as tectoparatypes.

M.U.G.D. No. 1617. HYPOTYPE, source of Fossil Sections Nos. 154, 155.

M.U.G.D. Fossil Section Coll. No. 154. TECTOHYPOTYPE, vertical section, figured by Ripper, loc. cit., fig. 7, 1937, of hypotype No. 1617.

M.U.G.D. Fossil Section Coll. No. 155. TECTOHYPOTYPE, tangential section, figured by Ripper, loc. cit., fig. 8, 1937, of hypotype No. 1617.

Middle Devonian.

Heath's Quarry, Buchan, Victoria.

Coll. Miss E. A. Ripper, M.Sc., 1933 (Field No. 167).

Actinostroma contortum Ripper, 1937.

Actinostroma contortum E. A. Ripper, Proc. Roy. Soc. Vic., n.s., 50 (1), p. 14, pl. 2, figs. 3-6, 29th December, 1937.

M.U.G.D. No. 1611. HOLOTYPE, source of Fossil Section No. 106.

M.U.G.D. Fossil Section Coll. No. 106. TECTOHOLOTYPE, vertical section, figured by Ripper, loc. cit., fig. 3, and tangential section, fig. 4, 1937, of holotype No. 1611.

Middle Devonian.

Heath's Quarry, Buchan, Victoria.

Coll. Miss E. A. Ripper, 1933 (Field No. 122).

M.U.G.D. No. 1604. PARATYPE (finer variety), source of Fossil Sections Nos. 38, 39, 41.

M.U.G.D. Fossil Section Coll. No. 38. TECTOPARATYPE, tangential section, figured by Ripper, loc. cit., fig. 6, 1937, of paratype No. 1604.

M.U.G.D. Fossil Section Coll. No. 39. TECTOPARATYPE, vertical section, figured by Ripper, loc. cit., fig. 5, 1937, of paratype No. 1604.

M.U.G.D. Fossil Section Coll. No. 41. Vertical section, unfigured, of paratype No. 1604.

Middle Devonian.

Rocky Camp, Commonwealth Quarries, Buchan, Victoria.

Coll. Miss E. A. Ripper, 1933 (Field No. 32).

Actinostroma stellulatum Nicholson var. **distans** Ripper, 1937.

Actinostroma stellulatum Nicholson, variety *distans* E. A. Ripper, Proc. Roy. Soc. Vic., n.s., 50 (1), p. 12, pl. 2, figs. 1, 2, 29th December, 1937.

M.U.G.D. No. 1610. HOLOTYPE, source of Fossil Sections Nos. 102-105.

M.U.G.D. Fossil Section Coll. No. 102 TECTOHOLOTYPE, tangential section, figured by Ripper, loc. cit., fig. 2, 1937, of holotype No. 1610.

M.U.G.D. Fossil Section Coll. No. 103. Tectoholotype, vertical section, figured by Ripper, loc. cit., fig. 1, 1937, of holotype No. 1610.

Middle Devonian.

Heath's Quarry, Buchan, Victoria.

Coll. Miss E. A. Ripper, 1933 (Field No. 121).

Actinostroma verrucosum (Goldfuss, 1826).

Ceriopora verrucosa G. A. Goldfuss, Petrefacta Germaniae, 1, p. 33, pl. 10, fig. 6, 1826.

Stromatopora verrucosa Goldfuss: W. Quenstedt, Petrefakten Deutschlands, 5, p. 560, pl. 141, fig. 10, 1878. A. Bargatzky, Die Stromatoporen des rheinischen Devons, p. 55, 1881.

Actinostroma verrucosum Goldfuss: H. A. Nicholson, Ann. Nat. Hist., [5] 17, p. 228, 1886. H. A. Nicholson, Mon. Brit. Strom., pt. 2, Palaeontogr. Soc Lond., 42, for 1888, p. 134, pl. 16, figs. 1-8, 1889. E. A. Ripper, Proc. Roy. Soc. Vic., n.s., 45 (2), p. 154, text figs. 1 (p. 155), 5c, D (p. 163), 1933.

M.U.G.D. No. 1446. Hypotype, source of Fossil Sections Nos. 237, 238.

M.U.G.D. Fossil Section Coll. No. 237. Tectohypotype, tangential section, figured by Ripper, loc. cit., fig. 5D, 1933, of hypotype No. 1446.

M.U.G.D. Fossil Section Coll. No. 238. Tectohypotype, vertical section, figured by Ripper, loc. cit., figs. 1, 5c, 1933, of hypotype No. 1446.

Lower Devonian (Yeringian).

Mitchell's Quarry, Cave Hill, Lilydale, Victoria.

Coll. Miss E. A. Ripper, and pres. 24.10.32.

Clathrodictyon calamosum Ripper, 1933.

Clathrodictyon calamosum E. A. Ripper, Proc. Roy. Soc. Vic., n.s., 45 (2), p. 160, text-figs. 6E, F (p. 164), 1st August, 1933.

M.U.G.D. No. 1448. Paratype, source of Fossil Sections Nos. 239, 240.

M.U.G.D. Fossil Section Coll. No. 239. Tangential section, unfigured, of paratype No. 1448.

M.U.G.D. Fossil Section Coll. No. 240. Vertical section, unfigured, of paratype No. 1448.

Lower Devonian (Yeringian).

Mitchell's Quarry, Cave Hill, Lilydale, Victoria.

Coll. Miss E. A. Ripper, and pres. 24.10.32.

Clathrodictyon aff. **chapmani** Ripper, 1933.

Clathrodictyon chapmani E. A. Ripper, Proc. Roy. Soc. Vic., n.s., 45 (2), p. 159, text-figs. 4 (p. 158), 6c, D (p. 164), 1st August, 1933.

Clathrodictyon aff. *chapmani* E. A. Ripper, *ibid.*, 50 (1), p. 3, pl. 1, figs. 3, 4, 1937.

M.U.G.D. No. 1598. Hypotype, source of Fossil Sections Nos. 168, 169.

M.U.G.D. Fossil Section Coll. No. 168. Tectohypotype, vertical section, figured by Ripper, loc. cit., fig. 3, 1937, of hypotype No. 1598.

M.U.G.D. Fossil Section Coll. No. 169. Tectohypotype, tangential section, figured by Ripper, loc. cit., fig. 4, 1937, of hypotype No. 1598.

Lower Devonian.

Griffith's Quarry, Allot. 131, Loyola, Victoria.

Coll Miss E. A. Ripper, 1933 (Field No. 92).

Clathrodictyon clarum Počta, 1894.

Clathrodictyon clarum P. Počta, Syst. Sil. du Centre de la Bohème, 8 (1), p. 152, pl. 18, figs. 7, 8, 1894. P. Počta, Sitzungsber. Königl. Böhm. Gesells. d. Wissensch. Prag, No. 12, p. 1 and pl., 1910. D. Le Maitre, Mém. Soc. Géol. France, n.s., 9 (1), Mém. 20, p. 16, pl. 4, figs. 1-5, 1933. E. A. Ripper, Proc. Roy. Soc. Vic., n.s., 50 (1), p. 21, pl. 4, figs. 3, 4, 1937.

M.U.G.D. No. 1605. Hypotype, source of Fossil Sections Nos. 53, 54.

M.U.G.D. Fossil Section Coll. No. 53. Tectohypotype, vertical section, figured by Ripper, loc. cit., fig. 3, 1937, of hypotype No. 1605.

M.U.G.D. Fossil Section Coll. No. 54. Tectohypotype, tangential section, figured by Ripper, loc. cit., fig. 4, 1937, of hypotype No. 1605.

Middle Devonian.

Rocky Camp, Commonwealth Quarries, Buchan, Victoria.

Coll. Miss E. A. Ripper, 1933 (Field No. 48).

Clathrodictyon confertum Nicholson, 1889.

Clathrodictyon confertum H. A. Nicholson, Mon. Brit. Strom., pt. 2, Palaeontogr. Soc. Lond., 42, for 1888, p. 154, pl. 18, figs. 13, 14, March, 1889. K. Boehnke, Palaeontographica, 61, p. 170, figs. 15, 16, 1915. E. A. Ripper, Proc. Roy. Soc. Vic., n.s., 50 (1), p. 18, pl. 3, fig. 3, 1937.

M.U.G.D No. 1607. Hypotype, source of Fossil Sections Nos. 88, 89.

M.U.G.D. Fossil Section Coll. No. 88. Vertical section, unfigured, of hypotype No. 1607.

M.U.G.D. Fossil Section Coll. No. 89. Tectohypotype, vertical section, figured by Ripper, loc. cit., 1937, of hypotype No. 1607.

Middle Devonian.

Cameron's Quarry, South Buchan, Victoria.

Coll. Miss E. A. Ripper, 1933 (Field No. 78).

Clathrodictyon convictum Yavorsky, 1929.

Clathrodictyon convictum B. Yavorsky, Bull. Com. Géol. Leningrad, 48 (1), pp. 91, 105, pl. 6, fig. 10; pl. 9, figs. 5-7, 1929. E. A. Ripper, Proc. Roy. Soc. Vic., n.s., 50 (1), p. 19, pl. 3, figs. 4-8, 1937.

M.U.G.D. No. 1613. Hypotype, source of Fossil Sections Nos. 117, 118.

M.U.G.D. No. 1616. Hypotype, source of Fossil Sections Nos. 146, 147.

M.U.G.D. Fossil Section Coll. No. 117. Tectohypotype, tangential section, figured by Ripper, loc. cit., fig. 8, 1937, of hypotype No. 1613.

M.U.G.D. Fossil Section Coll. No. 118. Tectohypotype, vertical section, figured by Ripper, loc. cit., fig. 7, 1937, of hypotype No. 1613.

M.U.G.D. Fossil Section Coll. No. 146. Tectohypotype, tangential section, figured by Ripper, loc. cit., fig. 6, 1937, of hypotype No. 1616.

M.U.G.D. Fossil Section Coll. No. 147. Tectohypotype, vertical section, figured by Ripper, loc. cit., figs. 4 and 5, 1937, of hypotype No. 1616.

Middle Devonian.

Heath's Quarry, Buchan, Victoria.

Coll. Miss E. A. Ripper, 1933 (Field Nos. 129 = Reg. No. 1613, and 157 = Reg. No. 1616).

Clathrodictyon convictum Yavorsky var. **delicatula** Ripper, 1937.

Clathrodictyon convictum Yavorsky variety *delicatula* E. A. Ripper, Proc. Roy. Soc. Vic., n.s., 50 (1), p. 20, pl. 4, figs. 1, 2, 29th December, 1937.

M.U.G.D. No. 1606. Holotype, source of Fossil Section No. 63.

M.U.G.D. Fossil Section Coll. No. 63. Tectoholotype, vertical section, fig. 1, and tangential section, fig. 2, figured by Ripper, loc. cit., 1937, of holotype No. 1606 (given erroneously as No. 1660 by Ripper, loc. cit., 1937, in explanation of plate 4, fig. 1).

Middle Devonian.

Rocky Camp, Commonwealth Quarries, Buchan, Victoria.

Coll. Miss E. A. Ripper, 1933 (Field No. 56).

Clathrodictyon regulare (von Rosen, 1867).

Stromatopora regularis F. von Rosen, Ueber die Natur der Stromatoporen, p. 74, pl. 9, figs. 1-4, 1867.

Clathrodictyon regulare Rosen sp.: H. A. Nicholson, Ann. Mag. Nat. Hist., [5] 19, p. 10, pl. 2, figs. 5, 6, 1887. H. A. Nicholson, Mon. Brit. Strom., pt. 2, Palaeontogr. Soc. Lond., 42, for 1888, p. 155, pl. 18, figs. 8-11*a*, 1889. P. E. Vinassa de Regny, Palaeontographia italica, 14, p. 182, pl. 21 (1), figs. 18-20, 1908. K. Boehnke, Palaeontographica, 61, p. 168, text-fig. 12, 1915. D. Le Maitre, Mém. Soc. Géol. du Nord, 12, p. 39; p. 185, pl. 12, figs. 1-6, 1934. E. A. Ripper, Proc. Roy. Soc. Vic., n.s., 50 (1), p. 2, pl. 1, figs. 1, 2, 1937. E. A. Ripper, *ibid.*, p. 16, pl. 3, figs. 1, 2, 1937.

M.U.G.D. No. 1599. Hypotype, source of Fossil Sections Nos. 175, 176.

M.U.G.D. Fossil Section Coll. No. 175. Tectohypotype, vertical section, figured by Ripper, loc. cit., pl. 1, fig. 1, 1937, of hypotype No. 1599.

M.U.G.D. Fossil Section Coll. No. 176. Tectohypotype, tangential section, figured by Ripper, loc. cit., pl. 1, fig. 2, 1937, of hypotype No. 1599.

Lower Devonian.

Griffith's Quarry, Allot. 131, Loyola, Victoria.

Coll. Miss E. A. Ripper, 1933 (Field No. 97).

M.U.G.D. No. 1618. Hypotype, source of Fossil Sections Nos. 156, 157.

M.U.G.D. Fossil Section Coll. No. 156. Tectohypotype, vertical section, figured by Ripper, loc. cit., pl. 3, fig. 1, 1937, of hypotype No. 1618.

M.U.G.D. Fossil Section Coll. No. 157. Tectohypotype, tangential section, figured by Ripper, loc. cit., pl. 3, fig. 2, 1937, of hypotype No. 1618.

Middle Devonian.

Heath's Quarry, Buchan, Victoria.

Coll. Miss E. A. Ripper, 1933 (Field No. 168).

Hermatostroma episcopale Nicholson, 1892.

Hermatostroma episcopale H. A. Nicholson, Mon. Brit. Strom., pt. 4, Palaeontogr. Soc. Lond., 46, for 1892, p. 219, pl. 28, figs. 4-11, November, 1892. De Le Maitre, Mém. Soc. Géol. du Nord, 12, p. 198, pl. 15, figs. 5, 6; pl. 16, figs. 1, 2, 1934. E. A. Ripper, Proc. Roy. Soc. Vict., n.s., 50 (1), p. 29, pl. 5, figs. 7, 8, 1937.

M.U.G.D. No. 1612. Hypotype, source of Fossil Sections Nos. 113, 114.

M.U.G.D. Fossil Section Coll. No. 113. Tectohypotype, tangential section, figured by Ripper, loc. cit., fig. 8, 1937, of hypotype No. 1612.

M.U.G.D. Fossil Section Coll. No. 114. Tectohypotype, vertical section, figured by Ripper, loc. cit., fig. 7, 1937, of hypotype No. 1612.

Middle Devonian.

Heath's Quarry, Buchan, Victoria.

Coll. Miss E. A. Ripper, 1933 (Field No. 126).

Hermatostroma episcopale Nicholson var. **buchanensis** Ripper, 1937.

Hermatostroma episcopale H. A. Nicholson variety *buchanensis* E. A. Ripper, Proc. Roy. Soc. Vic., n.s., 50 (1), p. 32. pl. 5, figs. 9, 10, 29th December, 1937.

M.U.G.D. No. 1602. Syntype, source of Fossil Sections Nos. 20. 21.

M.U.G.D. No. 1603. Syntype, source of Fossil Sections Nos. 27, 28.

M.U.G.D. Fossil Section Coll. No. 20. Tectosyntype, vertical section, figured by Ripper, loc. cit., fig. 9. 1937, of syntype No. 1602.

M.U.G.D. Fossil Section Coll. No. 21. Tangential section, unfigured, of syntype No. 1602.

M.U.G.D. Fossil Section Coll. No. 27. Vertical section, unfigured, of syntype No. 1603.

M.U.G.D. Fossil Section Coll. No. 28. Tectosyntype, tangential section, figured by Ripper, loc. cit., fig. 10, of syntype No. 1603.

Middle Devonian.

Near Hicks', Murrindal, Buchan, Victoria.

Coll. Miss E. A. Ripper, 1933 (Field Nos. 18 — Reg. No. 1602. and 23 — Reg. No. 1603).

Stromatopora concentrica Goldfuss, 1826.

Stromatopora concentrica G. A. Goldfuss, Petrefacta Germaniae, 1. p. 22, pl. 8. figs. 5*a-c*, 1826. H. A. Nicholson. Mon. Brit. Strom., pt. 1, Palaeontogr. Soc. Lond., 39, for 1885. p. 2; pl. 11, figs. 15-18. 1886. Waagen, W., and Wentzel. J., Palaeontologia Indica, series 13 (Salt-Range Fossils), 1 (7). p. 927, pl. 120, figs. 4*a*, *b*, 5*a*. *b*; pl. 121, figs. 1*a-c*, 1888. H. A. Nicholson, Mon. Brit. Strom., pt. 3. Palaeontogr. Soc. Lond., 44, for 1890. p. 164, pl. 20, fig. 10-12, pl. 21; figs. 1-3, pl. 24, figs. 9, 10. 1891. P. E. Vinassa de Regny. Boll. R. Com. geol. d'Ital. 41, p. 46. pl. 1, fig. 6, 1910. M. Gortani. Riv. ital. di Paleont., 18, p. 123. pl. 4, figs. 6, 7, 1912. K. Boehnke, Palaeontographica, 61, p. 180, text-figs. 30, 31, 1915. P. E. Vinassa de Regny, Paleont. italica, 24, p. 113, pl. 11 (6), figs. 3-5, 1919. V. Riabinin, Bull. Unit. Geol. and Prospecting Service U.S.S.R., 51, pt. 58, p. 860, pl. 2, figs. 5, 6, 1932. D. Le Maitre, Mém. Soc. Géol. du Nord, 12, p. 197, pl. 13, figs. 6, 7. 1934. E. A. Ripper, Proc. Roy. Soc. Vic., n.s., 50 (1), p. 24, pl. 4, figs. 7, 8; pl. 5, figs. 1, 2, 1937.

M.U.G.D. No. 1608. Hypotype, source of Fossil Sections Nos. 69, 70.

M.U.G.D. Fossil Section Coll. No. 69 Tectohypotype, tangential section, figured by Ripper, loc. cit., fig. 8, 1937, of hypotype No. 1608.

M.U.G.D. Fossil Section Coll. No. 70. Tectohypotype, vertical section, figured by Ripper, loc. cit., fig. 7, 1937, of hypotype No. 1608.

Middle Devonian.

Rocky Camp, Commonwealth Quarries, Buchan, Victoria.

Coll. Miss E. A. Ripper, 1933 (Field No. 241).

M.U.G.D. No. 1615 Hypotype, source of Fossil Sections Nos. 132, 133.

M.U.G.D. Fossil Section Coll. No. 132. Tectohypotype, tangential section, figured by Ripper, loc. cit., fig. 2, 1937, of hypotype No. 1615.

M.U.G.D. Fossil Section Coll. No. 133. Tectohypotype, vertical section, figured by Ripper, loc. cit., fig. 1, 1937, of hypotype No. 1615.

Middle Devonian.

Heath's Quarry, Buchan, Victoria.

Coll. Miss E. A. Ripper, 1933 (Field No. 146).

Stromatopora concentrica Goldfuss var. **colliculata** Nicholson, 1886.

Stromatopora concentrica G. A. Goldfuss variety *colliculata* H. A. Nicholson, Mon. Brit. Strom., pt. 1, Palaeontogr. Soc. Lond., 39, for 1885, pl. 3, fig. 5, January, 1886. H. A. Nicholson, *idem.*, pt. 3, *ibid.*, 44, for 1890, p. 165, 1891. E. A. Ripper, Proc. Roy. Soc. Vic., n.s., 50 (1), p. 26, pl. 5, figs. 3, 4, 1937.

M.U.G.D. No. 1614. Hypotype, source of Fossil Sections Nos. 121, 122.

M.U.G.D. Fossil Section Coll. No. 121. Tectohypotype, vertical section, figured by Ripper, loc. cit., fig. 3, 1937, of hypotype No. 1614.

M.U.G.D. Fossil Section Coll. No. 122 Tectohypotype, tangential section, figured by Ripper, loc. cit., fig. 4, 1937, of hypotype No. 1614.

Middle Devonian.

Heath's Quarry, Buchan, Victoria.

Coll. Miss E. A. Ripper, 1933 (Field No. 138).

Stromatopora foveolata (Girty, 1895).

Syringostroma foveolatum G. H. Girty, Ann. Rept. New York State Mus., 48 (2), for 1894, p. 295, pl. 6, figs. 8, 9, 1895.

Stromatopora foveolata (Girty): W. A. Parks, Univ. Toronto Studies, Geol. Series 6, p. 20, pl. 17, figs. 5-7; pl. 18, figs. 4, 10, 1909. E. A. Ripper, Proc. Roy. Soc. Vic., n.s., 49 (2), p. 185, text figs. 2A, B (p. 186), 1937.

M.U.G.D. No. 768. Hypotype, source of Fossil Sections Nos. 235, 236.

M.U.G.D. Fossil Section Coll. No. 235. Tectohypotype, vertical section, figured by Ripper, loc. cit., fig. 2A, 1937, of hypotype No. 768.

M.U.G.D. Fossil Section Coll. No. 236. Tectohypotype, tangential section, figured by Ripper, loc. cit., fig. 2B, 1937, of hypotype No. 768.

Lower Devonian (Yeringian).

Mitchell's Quarry, Cave Hill, Lilydale, Victoria.

Stromatopora hüpschii (Bargatzky, 1881).

Caunopora hüpschii A. Bargatzky, Die Stromatoporen des rheinischen Devons, p. 62, 1881.

Stromatopora hüpschii Bargatzky sp.; H. A. Nicholson, Mon. Brit. Strom., pt. 1, Palaeontogr. Soc. Lond., 39, for 1885, figs. 6*a*, *b* (p. 50); pl. 10, figs. 8, 9. 1886. H. A. Nicholson, *idem*, pt. 3, *ibid.*, 44, for 1890, p. 176, fig. 20*a*, *b*, (p. 177); pl. 22, figs. 3-7, 1891. P. E. Vinassa de Regny, Palaeontographia italica, 24, p. 113, pl. 12 (7), figs. 5, 6, 1919.

Stromatopora aff. *hüpschii* (Bargatzky): E. A. Ripper, Proc. Roy. Soc. Vic., n.s., 49 (2), p. 186, pl. 8, figs. 7, 8, 1937.

Stromatopora hüpschii (Bargatzky): E. A. Ripper, *ibid.*, 50 (1), p. 28, pl. 5, figs. 5, 6, 1937.

M.U.G.D. No. 1601. Hypotype, source of Fossil Sections Nos. 3, 4.

M.U.G.D. Fossil Section Coll. No. 3. Tectohypotype, vertical section, figured by Ripper, loc. cit., fig. 5, 1937, of hypotype No. 1601.

M.U.G.D. Fossil Section Coll. No. 4. Tectohypotype, tangential section, figured by Ripper, loc. cit., fig. 6, 1937, of hypotype No. 1601.

Middle Devonian.

Citadel Rocks, Murrindal River, Buchan, Victoria.

Coll. Miss E. A. Ripper, 1933 (Field No. 3).

Stromatoporella granulata (Nicholson, 1873).

Stromatopora granulata H. A. Nicholson, Ann. Mag. Nat. Hist., [4] 12, p. 94, pl. 4, figs. 3, *3a*, 1873. H. A. Nicholson, ibid., [5] 18, p. 10, 1886.

Stromatoporella granulata H. A. Nicholson, Mon. Brit. Strom., pt. 1, Palaeontogr. Soc. Lond., 39, for 1885, pl. 1, figs. 4, 5; pl. 4, fig. 6; pl. 7, figs. 5, 6, 1886. H. A. Nicholson, *idem*, pt. 3, *ibid.*, 44, for 1890, p. 202, 1891. H. A. Nicholson, *idem*, pt. 4, *ibid.*, 46, for 1892, p. 203, pl. 26, figs. 1, *1a*, *b*, 1892. W. A. Parks, Univ. Toronto Studies, Geol. Ser., 39, p. 95, pl. 15, figs. 6, 7; pl. 16, figs. 1-7, 1936. E. A. Ripper, Proc. Roy. Soc. Vic., n.s., 49 (2), p. 191, pl. 9, figs. 3-5, 1937.

M.U.G.D. No. 1622. Hypotype, source of Fossil Sections Nos. 200, 201.

M.U.G.D. Fossil Section Coll. No. 200. Tectohypotype, tangential section, figured by Ripper, loc. cit., fig. 5, 1937, of hypotype No. 1622.

M.U.G.D. Fossil Section Coll. No. 201. Tectohypotype, vertical section, figured by Ripper, loc. cit., figs. 3, 4, 1937, of hypotype No. 1622.

Lower Devonian (Yeringian).

Mitchell's Quarry, Cave Hill, Lilydale, Victoria.

Coll. Miss E. A. Ripper.

Syringostroma densum Nicholson, 1875.

Syringostroma densa H. A. Nicholson, Rept. Geol. Surv. Ohio, 2 (2), Palaeontology, p. 251, pl. 24, figs. 2, *2a*, *b*, 1875.

Syringostroma densum H. A. Nicholson, Mon. Brit. Strom., pt. 1, Palaeontogr. Soc. Lond., 39, for 1885, p. 97, pl. 11, figs. 13, 14, 1886. H. A. Nicholson, Ann. Mag. Nat. Hist., [6] 7, p. 326, pl. 10, figs. 8, 9, 1891. E. A. Ripper, Proc. Roy. Soc. Vic., n.s., 49 (2), p. 182, pl. 8, figs. 3-5, 1937.

M.U.G.D. No. 1620. Hypotype, source of Fossil Sections Nos. 225, 226.

M.U.G.D. Fossil Section Coll. No. 225. Tectohypotype, tangential section, figured by Ripper, loc. cit., figs. 4, 5, 1937, of hypotype No. 1620.

M.U.G.D. Fossil Section Coll. No. 226. Tectohypotype, vertical section, figured by Ripper, loc. cit., fig. 3, 1937, of hypotype No. 1620.

Lower Devonian (Yeringian).

Mitchell's Quarry, Cave Hill, Lilydale, Victoria.

Coll. A. C. Frostick and pres. 19.8.36.

Syringostroma aff. **ristigouchense** (Spencer, 1884).

Coenostroma ristigouchense Spencer, Bull. Mus. Univ. Missouri, p. 49, pl. 6, figs. 12, *12a*, 1884.

Syringostroma ristigouchense Spencer sp.: H. A. Nicholson, Mon. Brit. Strom., pt. 1, Palaeontogr. Soc. Lond., 39, for 1885, p. 97, pl. 11, figs. 11, 12, 1886. H. A. Nicholson, Ann. Mag. Nat. Hist., [6] 7, p. 324, pl. 8, figs. 6-8, 1891. W. A. Parks, Univ. Toronto Studies, Geol. Ser., 6, p. 10, pl. 16, figs. 3-5, 1909.

Syringostroma aff. *ristigouchense* (Spencer): E. A. Ripper, Proc. Roy. Soc. Vic., n.s., 49 (2), p. 181, pl. 8, figs. 1, 2, 1937.

M.U.G.D. No. 1619. Hypotype, source of Fossil Sections Nos. 208, 209.

M.U.G.D. Fossil Section Coll. No. 208. Tectohypotype, tangential section, figured by Ripper, loc. cit., fig. 2, 1937, of hypotype No. 1619.

M.U.G.D. Fossil Section Coll. No. 209. Tectohypotype, vertical section, figured by Ripper, loc. cit., fig. 1, 1937, of hypotype No. 1619.

Lower Devonian (Yeringian).

Mitchell's Quarry, Cave Hill, Lilydale, Victoria.

A piece cut from a specimen in the collection of F. S. Colliver, Melbourne

CALYPTOBLASTEA.

Archaeocryptolaria recta Chapman, 1919.

Archaeocryptolaria recta F. Chapman, Proc. Roy. Soc. Vic., n.s., 31 (1), p. 392, pl. 19, figs. 4, 4*a*; pl. 20, fig. 8, May, 1919. F. Chapman and D. E. Thomas, *ibid.*, 48 (2), p, 198, pl. 14, fig. 1, June, 1936.

M.U.G.D. No. 527. Counterpart of Holotype in National Museum, Melbourne (No. 13111), figured by Chapman, loc. cit., 1919, and by Chapman and Thomas, loc. cit., 1936.

Middle Cambrian.

Deep Creek, 2 miles ENE. of North Monegetta, Victoria.

Coll. Prof. E. W. Skeats.

Obs.—The holotype in the National Museum is Reg. No. 13111, not 1311 as stated by Chapman and Thomas.

Archaeolafoea monegettae (Chapman, 1919).

See *Mastigograptus monegettae* Chapman, 1919.

Archaeolafoea serialis Chapman and Thomas, 1936.

Archaeolafoea serialis F. Chapman and D. E. Thomas. Proc. Roy. Soc. Vic., n.s., 48 (2), p. 201, pl. 14. figs. 9-11; pl. 15, figs. 12, 12*a*, 12*b*, June, 1936.

M.U.G.D. No. 1591. Paratype, figured by Chapman and Thomas, loc. cit., pl. 15, figs. 12, 12*a*, 12*b*, 1936.

M.U.G.D. No. 1592. Counterpart of Paratype No. 1591.

Middle Cambrian.

Deep Creek, 2 miles E.N.E. of North Monegetta, Victoria.

Coll. G. Baker, 29.4.33.

Cactograptus flexispinosus Chapman and Thomas, 1936.

Cactograptus flexispinosus F. Chapman and D. E. Thomas, Proc. Roy. Soc. Vic., n.s., 48 (2), p. 207, pl. 17, figs. 29-33, June, 1936.

M.U.G.D. No. 1593. Paratype, figured by Chapman and Thomas, loc. cit., pl. 17, fig. 33, 1936.

M.U.G.D. No. 1594. Counterpart of Paratype No. 1593.

Middle Cambrian.

Deep Creek, 2 miles E.N.E. of North Monegetta, Victoria.

Coll. E. S. Hills, 29.4.33.

Mastigograptus monegettae (Chapman, 1919:—**Archaeolafoea monegettae** (Chapman, 1919).

Mastigograptus monegettae F. Chapman, Proc. Roy. Soc. Vic., n.s., 31 (1), p. 391, pl. 19. figs. 2, 2*a*; pl. 20, fig. 6, May, 1919.

Archaeolafoea monegettae Chapman: F. Chapman and D. E. Thomas, *ibid.*, 48 (2), p. 200, pl. 14, figs. 6-8, June, 1936.

M.U.G.D. No. 528. Counterpart of holotype in National Museum, Melbourne (No. 13113), figured by Chapman, loc. cit., 1919.

Middle Cambrian.

Deep Creek, 2 miles E.N.E. of North Monegetta, Victoria.

Coll. Prof. E. W. Skeats.

GRAPTOLITOIDEA.

Climacograptus riddellensis Harris, 1924.

Diplograpsus rectangularis McCoy: F. McCoy, Prodromus Palaeont. Vic., decade 1, p. 11, pl. 11, figs. 7, *7a*, 1874. Not *Diplograpsis* [sic] *rectangularis* M'Coy, Ann. Mag. Nat. Hist., [2] 6 (34), p. 271, 1850 [= *Climacograptus rectangularis* (McCoy)].

Climacograptus riddellensis W. J. Harris, Proc. Roy. Soc. Vic., n.s., 36 (2), p. 100, pl. 8, figs. 11, 12, August, 1924.

M.U.G.D. No. 647. Counterpart of holotype in National Museum, Melbourne, figured by Harris, loc. cit., fig. 11, 1924.

Upper Ordovician (Gisbornian).

Geol. Surv. Vic. Locality Ba 67, junction of Jackson's and Riddell's Creeks, about 3 miles south-east of Riddell railway station, Victoria.

Pres. W. J. Harris, 14.12.23.

Clonograptus flexilis (J. Hall, 1858).

Graptolithus flexilis J. Hall, Geol. Surv. Canada, Report for 1857, p. 119, 1858. J. Hall, Graptolites of the Quebec Group, Geol. Surv. Canada, decade 2, p. 103, pl. 10, figs. 3-9, 1865.

Clonograptus flexilis J. Hall: T. S. Hall, Proc. Roy. Soc. Vic., n.s., 11 (2), pl. 19, fig. 20, February, 1899. W. J. Harris and D. E. Thomas, Min. and Geol. Journ., Vic., 1 (3), pl. 1 (p. 69), fig. 6, July, 1938.

M.U.G.D. No. 1661. Hypotype, figured by T. S. Hall, loc. cit., 1899, and copied by Harris and Thomas, loc. cit., 1938.

Lower Ordovician (Lancefieldian, Zone La 2).

Quarry, Allot. 56, Parish of Goldie, near Lancefield, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Clonograptus magnificus (Pritchard, 1892).

See *Temnograptus magnificus* Pritchard, 1892.

Clonograptus rigidus (J. Hall, 1858).

Graptolithus rigidus J. Hall, Geol. Surv. Canada, Report for 1857, p. 121, 1858. J. Hall, Graptolites of the Quebec Group, Geol. Surv. Canada, decade 2, p. 105, pl. 11, figs. 1-5, 1865.

Clonograptus rigidus J. Hall: T. S. Hall, Proc. Roy. Soc. Vic., n.s., 11 (2), pl. 19, fig. 21, February, 1899. W. J. Harris and D. E. Thomas, Min. and Geol. Journ., Vic., 1 (3), pl. 1 (p. 69), fig. 5, July, 1938.

M.U.G.D. No. 1660. Hypotype, figured by T. S. Hall, loc. cit., 1899, and copied by Harris and Thomas, loc. cit., 1938.

Lower Ordovician (Lancefieldian, Zone La 2).

Quarry, Allot. 56, Parish of Goldie, near Lancefield, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Obs.—The specimen now lacks the uppermost part of T. S. Hall's figure, of which it is, however, undoubtedly the original, and is so marked in T. S. Hall's handwriting.

Dichograptus expansus Harris and Thomas, 1940.

Dichograptus expansus W. J. Harris and D. E. Thomas, Min. and Geol. Journ., Vic., 2 (2), p. 130, pl. 1 (p. 134), fig. 5; pl. 2 (p. 135), figs. *6a* *6b* January, 1940.

M.U.G.D. No. 1678. Counterpart of paratype in Geol. Mus. Mines Dept. Vic. (No. 42560), figured by Harris and Thomas, loc. cit., pl. 2, fig. *6b*, 1940.

Lower Ordovician (Bendigonian, Zone Be 2).

North-west corner of Allot. 30A, Sect. II., Parish of Campbelltown, Victoria.

Coll. Thos. Smith, and pres. D. E. Thomas, 1939.

Dichograptus octonarius (J. Hall, 1858).

Graptolithus octonarius J. Hall, Geol. Surv. Canada, Report for 1857, p. 124, 1858. J. Hall, Graptolites of the Quebec Group, Geol. Surv. Canada, decade 2, p. 95, pl. 10, figs. 1, 2, 1865.

Dichograptus octonarius (J. Hall): W. J. Harris and D. E. Thomas, Min. and Geol. Journ., Vic., 2 (2), p. 129, pl. 1 (p. 134), figs. *2a*, *2b*; pl. 2 (p. 135), fig. 3, January, 1940.

M.U.G.D. No. 1679. Counterpart of hypotype in Geol. Mus. Mines Dept. Vic. (No. 42553), figured by Harris and Thomas, loc. cit., pl. 1, fig. *2a*; pl. 2, fig. 3, 1940.

Lower Ordovician (Castlemainian, Zone Ca 2).

Victoria Gully, Castlemaine, Victoria.

Pres. D. E. Thomas, 1939.

Dichograptus octonarius (J. Hall) var. **solida,** Harris and Thomas, 1940.

Dichograptus octonarius var. *solida* W. J. Harris and D. E. Thomas, Min. and Geol. Journ., Vic., 2 (2), p. 130, pl. 1, fig. 3; pl. 2, fig. 4, January, 1940.

M.U.G.D. No. 1680. Counterpart of holotype of variety in Geol. Mus. Mines Dept. Vic. (No. 42555), figured by Harris and Thomas, loc. cit., 1940.

Lower Ordovician (Yapeenian, Zone Ya 2).

Wiley's Quarry, Woodend, Victoria.

Pres. D. E. Thomas, 1939.

Dictyonema grande T. S. Hall, 1892.

See *Dictyonema macgillivrayi* T. S. Hall, 1897.

Dictyonema macgillivrayi T. S. Hall, 1897.

Dictyonema grande T. S. Hall, Proc. Roy. Soc. Vic., n.s., 4 (1), p. 8, pls. 1, 2, April, 1892. G. B. Pritchard, *ibid.*, 7, p. 28, January, 1895. Not *Dictyonema grandis* H. A. Nicholson, Ann. Mag. Nat. Hist., [4] 11 (62), p. 134, text figs. *1a*, *1b* (p. 135), 1873.

Dictyonema macgillivrayi T. S. Hall, nom. mut., Proc. Roy. Soc. Vic., n.s., 10 (1), p. 15, July, 1897. T. S. Hall, *ibid.*, 11 (2), p. 174, pl. 18, fig. 27, February, 1899. W. J. Harris and R. A. Keble, *ibid.*, 44 (1), p. 47, pl. 3, February, 1932.

M.U.G.D. No. 1664. Hypotype, figured (in part) by T. S. Hall, loc. cit., 1899, and counterpart of hypotype in National Museum, Melbourne (No. 13126), figured by Harris and Keble, loc. cit., 1932. It is also the basis of the description by Pritchard, loc. cit., 1895.

Lower Ordovician (Lancefieldian, Zone La 2).

Quarry, Allot. 56, Parish of Goldie, near Lancefield, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Dictyonema pulchellum T. S. Hall, 1899.

Dictyonema pulchellum T. S. Hall, Proc. Roy. Soc. Vic., n.s., 11 (2), p. 174, pl. 18, figs. 28-30, February, 1899.

M.U.G.D. No. 1656. Syntype, figured by T. S. Hall, loc. cit., pl. 18, fig. 28, 1899.

M.U.G.D. No. 1657. Syntype, figured by T. S. Hall, loc. cit., pl. 18, figs. 29, 30, 1899.

Lower Ordovician (Lancefieldian, Zone La 2).

Quarry, Allot. 56, Parish of Goldie, near Lancefield, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Didymograptus ensjoensis Monsen, 1937.

Didymograptus ensjoensis A. Monsen, Sond. ans. Norsk. Geol. Tidssk., 16, pl. 1, fig. 40; pl. 7, figs. 12, 14, 1937. W. J. Harris and D. E. Thomas, Min. and Geol. Journ., Vic., 2 (2), p. 133, pl. 1, figs. 13*a*, 13*b*; pl. 2, figs. 15*a*, 15*b*, January, 1940.

M.U.G.D. No. 1681. COUNTERPART OF HYPOTYPE in Geol. Mus. Mines Dept. Vic. (No. 43206), figured by Harris and Thomas, loc. cit., pl. 1, fig. 13*a*; pl. 2, fig. 15*a*, *b*, 1940.

Lower Ordovician (Bendigonian, Zone Be 2).

North-west corner of Allot. 30A, Sect. H., Parish of Campbelltown, Victoria.

Coll. Thos. Smith, and pres. D. E. Thomas, 1939.

Didymograptus taylori T. S. Hall, 1899.

Didymograptus taylori T. S. Hall, Proc. Roy. Soc. Vic., n.s., 11 (2), p. 167, pl. 17, figs. 11, 12, February, 1899.

M.U.G.D. No. 1658. HOLOTYPE, figured by T. S. Hall, loc. cit., 1899.

Lower Ordovician (Lancefieldian, Zone La 2).

Quarry, Allot. 56, Parish of Goldie, near Lancefield, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Goniograptus (?)velatus Harris and Thomas, 1939.

Goniograptus velatus W. J. Harris and D. E. Thomas, Min. and Geol. Journ., Vic., 2 (1), p. 57, text figs. 8, 9, July, 1939.

M.U.G.D. No. 1097. PARATYPE, figured by Harris and Thomas, loc. cit., text fig. 9, 1939.

Lower Ordovician (Bendigonian, Zone Be 3) .

East side of Jim Crow Creek, 100 yards north of Tipperary Spring, Daylesford, Victoria.

Coll. J. O'M. Lyons and pres. 10.11.30.

Monograptus crinitus Wood, 1900.

Monograptus crinitus E. M. R. Wood, Quart. Journ. Geol. Soc. London, 56 (2), p. 480, text figs. *23a-d* (p. 481), pl. 25, figs. *26a*, *26b*, May, 1900. G. L. Elles and E. M. R. Wood, British Graptolites, pt. 9, Mon. Pal. Soc., 66, p. 435, text figs. 298*a-c*, pl. 44, figs. *3a-c*, February, 1913. W. J. Harris and D. E. Thomas, Min. and Geol. Journ., Vic., 1 (1), p. 74, pl. 2, fig. 31, July, 1937.

M.U.G.D. No. 1596. COUNTERPART OF HYPOTYPE No. 1597.

M.U.G.D. No. 1597. HYPOTYPE, figured by Harris and Thomas, loc. cit., 1937.

Upper Silurian (Melbournian).

Track to pumping station, Studley Park, Melbourne, Victoria.

Coll. E. S. Hills and pres. 1936.

Monograptus turriculatus (Barrande, 1850).

Graptolithus turriculatus Barrande, Grapt. de Bohême, p. 56, pl. 4, figs. 7-11, 1850.

Monograptus turriculatus (Barrande): G. L. Elles and E. M. R. Wood, British Graptolites, pt. 9, Mon. Pal. Soc., 66, p. 438, text figs. 301*a-c* pl. 44, figs. *4a-e* February, 1913. T. S. Hall, Proc. Roy. Soc. Vic., n.s., 27 (I), p. 114, pl. 17, figs. 18, 19, September, 1914.

M.U.G.D. No. 539. COUNTERPART OF HYPOTYPE No. 540.

M.U.G.D. No. 540. HYPOTYPE, figured by T. S. Hall, loc. cit., 1914.

Lower Silurian (Keilorian).

Aplin's section, the Monocline, Keilor, Victoria.

Coll. Prof. E. W. Skeats.

Monograptus uncinatus Tullberg var. **orbatus** Wood, 1900.

Monograptus uncinatus variety *orbutus* E. M. R. Wood, Quart. Journ. Geol. Soc. London, 56 (2), p. 476, text figs. 20*a*, 20*b*, pl. 25, figs. 23*a*, 23*b*, May, 1900. G. L. Elles and E. M. R. Wood, British Graptolites, pt. 9, Mon. Pal. Soc., 66, p. 427, text figs. 290*a*, 290*b* (p. 428), pl. 43, figs. 1*a-d*, February, 1913. W. H. Lang and I. C. Cookson, Phil. Trans. Roy. Soc. London, Ser. B. No. 517, vol. 224, p. 422 (citation), March, 1935. W. J. Harris and D. E. Thomas, Min. and Geol. Journ., Vic., 1 (1), p. 73, pl. 2, figs. 23-29, July, 1937.

M.U.G.D., No. 1572. Hypotype, figured by Harris and Thomas, loc. cit., fig. 23, 1937.

M.U.G.D. No. 1575. Counterpart of hypotype No. 1572.

Upper Silurian (Zone of *Monograptus nilssoni*).

Geol. Surv. Vic. Loc. 9, Railway Cutting, between 2¼ and 2½ miles from Alexandra, Victoria.

Obs.—This is on the slab the graptolites of which were identified by Dr. G. L. Elles in 1934 and cited by Lang and Cookson, loc. cit., 1935. The locality was erroneously cited by Harris and Thomas, loc. cit., 1937, as "19-mile Quarry, Yarra Track." (*Fide* these authors, op. cit, 2 (5), p. 305 and footnote, 1941.)

Temnograptus magnificus Pritchard, 1892:—**Clonograptus magnificus** (Pritchard, 1892).

Temnograptus magnificus G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 4 (1), p. 56, pl. 6, figs. 1-3, April, 1892. Pritchard, *ibid.*, 7, p. 29, January, 1895.

Clonograptus magnificus Pritchard: T. S. Hall, *ibid.*, 11 (2), p. 170, February, 1899.

M.U.G.D. No. 1665. Holotype, figured by Pritchard, loc. cit., 1892.

Lower Ordovician (Lancefieldian, Zone La 2).

Quarry, Allot. 56, Parish of Goldie, near Lancefield, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Obs.—The type specimen, measuring about one metre in diameter, is probably the largest known Victorian graptolite.

Tetragraptus decipiens T. S. Hall, 1899.

Tetragraptus decipiens T. S. Hall, Proc. Roy. Soc. Vic., n.s., 11 (2), p. 168, pl. 17, figs. 13-15; pl. 18, figs. 16-19, February, 1899. R. A. Keble, Rec Geol. Surv. Vic., 4 (2), p. 199, pl. 34, 1920.

M.U.G.D. No. 1663. Paratype, figured by T. S. Hall, loc. cit., pl. 18, fig. 16, 1899.

Lower Ordovician (Lancefieldian, Zone La 2).

Quarry, Allot. 56, Parish of Goldie, near Lancefield, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Obs.—This specimen, though referred to the above species by Hall (loc. cit., p. 178), bears six stipes and thus should be excluded from *Tetragraptus*. An accompanying specimen with five stipes (No. 1662) purchased from Dr. Pritchard, and from the same locality, was labelled "figd. T.S.H.", but apparently it was never figured by Dr. T. S. Hall.

ANTHOZOA.

Acanthophyllum mansfieldense (Dun, 1898).

Cyathophyllum mansfieldense W. S. Dun, Proc. Roy. Soc. Vic., n.s., 10 (2), p. 87, pl. 3, figs. 3, 4, May, 1898.

Acanthophyllum mansfieldense (Dun): D. Hill, *ibid.*, 51 (2), p. 223, pl. 15, figs. 1-3, July, 1939.

M.U.G.D. No. 1646. Hypotype, source of Fossil Section No. 610.

M.U.G.D. No. 1653. Hypotype, source of Fossil Sections Nos. 608, 609.

M.U.G.D. Fossil Section Coll No. 608. Tectohypotype, transverse section, figured by D. Hill, loc. cit., figs. 1*a*, 1*b*, 1939, of hypotype No. 1653.

M.U.G.D. Fossil Section Coll. No. 609. Tectohypotype, vertical section, figured by D. Hill, loc. cit., fig. 2, 1939, of hypotype No. 1653.

M.U.G.D. Fossil Section Coll. No. 610. Tectohypotype, transverse section, figured by D. Hill, loc. cit., fig. 3, 1939, of hypotype No. 1646.

This and the preceding are the basis of the description by Dr. D. Hill, loc. cit., p. 223, 1939.

Lower Devonian.

Quarry, Allot. 94, Parish of Loyola, Victoria.

Coll. Miss E. A. Ripper and pres. 27.6.33.

Acervularia chalkii (Chapman, 1931):—**Prismatophyllum chalkii** (Chapman, 1931).

Acervularia chalkii F. Chapman, Vic. Naturalist, 48 (5), p. 94, text fig., September, 1931.

Prismatophyllum chalkii (Chapman): D. Hill, Proc. Roy. Soc. Vic., n.s., 51 (2), p. 232, pl. 13, figs. 1-5, July, 1939.

M.U.G.D. No. 1877. Holotype, figured by Chapman, *loc. cit.*, 1931, and by Hill, loc. cit., fig. 1, 1939.

Coll. A. S. Chalk, and pres. W. D. Chapman, 23.10.44.

M.U.G.D. No. 1654. Hypotype, formerly Univ. Qld. Geol. Dept. No. F3252, and source of Fossil Sections Nos. 626, 627.

M.U.G.D. No. 1655. Hypotype, formerly Univ. Qld. Geol. Dept. No. F3253, and source of Fossil Sections Nos. 628, 629. This and the preceding are referred to by D. Hill, loc. cit., p. 233, 1939.

M.U.G.D. Fossil Section Coll. No. 626. Tectohypotype, transverse section, figured by D. Hill, loc. cit., fig. 2, 1939, of hypotype No. 1654.

M.U.G.D. Fossil Section Coll. No. 627. Tectohypotype, vertical section, figured by D. Hill, loc. cit., fig. 5, 1939, of hypotype No. 1654.

M.U.G.D. Fossil Section Coll. No. 628. Tectohypotype, oblique section, figured by D. Hill, loc. cit., fig. 3, 1939, of hypotype No. 1655.

M.U.G.D. Fossil Section Coll No. 629. Tectohypotype, oblique section, figured by D. Hill, loc. cit., fig. 4, 1939, of hypotype No. 1655.

Lower Devonian (Yeringian).

Mitchell's Quarry, Cave Hill, Lilydale, Victoria.

Coll. Dr. D. Hill and pres. 19.4.39.

Columnaria (Loyolophyllum) cresswelli Chapman, 1914.

See *Loyolophyllum cresswelli* Chapman, 1914.

Cyathophyllum cresswelli Chapman, 1925.

See *Mictophyllum cresswelli* (Chapman, 1925).

Cyathophyllum elegantulum Dun, 1898.

See *Trapezophyllum elegantulum* (Dun, 1898).

Cyathophyllum mansfieldense Dun, 1898.

See *Acanthophyllum mansfieldense* (Dun, 1989).

Cyathophyllum subcaespitosum Chapman, 1925.

See *Lyrielasma subcaespitosum* (Chapman, 1925).

" Cystiphyllum " sp.

"*Cystiphyllum*" sp.: D. Hill, Proc. Roy. Soc. Vic., n.s., 51 (2), p. 250. pl. 15. figs. 4, 5, 1939.

M.U.G.D. No. 1652. Figured specimen, source of Fossil Section No. 620.

M.U.G.D. Fossil Section Coll. No. 620. Figured specimen, transverse section (fig. 4), and vertical section (fig. 5), figured by Hill, loc. cit., 1939, of specimen No. 1652. Dr. Hill refers to the originals of figs. 4 and 5 as Nos. 620A and 520B, respectively, but both are on the one slide, numbered 620.

Lower Devonian.

"Loyola" (Hill, loc. cit., p. 250, 1939) Quarry, Allot. 94, Parish of Loyola, Victoria.

Coll. Miss E. A. Ripper, and pres. 27.6.33.

Loyolophyllum cresswelli (Chapman, 1914).

Columnaria (*Loyolophyllum*) *cresswelli* F. Chapman, Rec. Geol. Surv. Vic., 3 (3), p. 306, pl. 51, figs. 15, 16; pl. 52, figs. 17, 18, 1914.

Loyolophyllum cresswelli Chapman: R. Etheridge, jun., Rec. Aust. Mus., 12, p. 51, 1918. D. Hill, Proc. Roy. Soc, Vic., n.s., 51 (2), p. 242, pl. 15, figs. 8-11, 1939.

M.U.G.D. No. 1644. Hypotype, source of Fossil Section No. 616.

M.U.G.D. No. 1650. Hypotype, source of Fossil Section No. 618.

M.U.G.D. No. 1651. Hypotype, source of Fossil Section No. 617.

M.U.G.D. Fossil Section Coll. No. 616. Tectohypotype, transverse section, figured by Hill, loc. cit., fig. 8, 1939, of hypotype No. 1644.

M.U.G.D. Fossil Section Coll. No. 617. Tectohypotype, oblique section, figured by Hill, loc. cit., fig. 9, 1939, of hypotype No. 1651.

M.U.G.D. Fossil Section Coll. No. 618. Tectohypotype, vertical section, figured by Hill, loc. cit., fig. 10, 1939, of hypotype No. 1650.

M.U.G.D Fossil Section Coll. No. 619. Tectohypotype, transverse section, figured by Hill, loc. cit., fig. 11, 1939, source unknown.

Lower Devonian.

Griffith's Quarry, Loyola, Victoria.

Coll. Miss E. A. Ripper, and pres. 27.6.33.

Lyrielasma subcaespitosum (Chapman, 1925).

Cyathophyllum subcaespitosum F. Chapman, Proc. Roy. Soc. Vic., n.s., 37 (1), p. 112, pl. 13, figs. 15, 16*a*, *b*, 25th May, 1925.

Lyrielasma subcaespitosum (Chapman): D. Hill, *ibid.*, 51 (2), p. 244, pl. 14, figs. 1-6; pl. 15, figs. 6, 7, 1939.

M.U.G.D. Fossil Section Coll. No. 621. TECTOHYPOTYPE, transverse section, figured by Hill, loc. cit., pl. 15, fig. 6, 1939.

M.U.G.D. Fossil Section Coll. No. 622. TECTOHYPOTYPE, transverse section, figured by Hill, loc. cit., pl. 15, fig. 7, 1939. The original specimen was destroyed in the making of the above slides.

Lower Devonian.

Griffith's Quarry, Loyola, Victoria.

Coll. Miss E. A. Ripper, and pres. 27.6.33.

Mictophyllum cresswelli (Chapman, 1925).

Cyathophyllum cresswelli F. Chapman, Proc. Roy. Soc. Vic., n.s., 37 (1), p. 111, pl. 13, figs. 11-14, May, 1925.

Mictophyllum cresswelli (Chapman): D. Hill, *ibid.*, 51 (2), p. 246, pl. 14, figs. 7-11, July, 1939.

M.U.G.D. Fossil Section Coll. No. 630. TECTOHYPOTYPE, vertical section, figured by D. Hill, loc. cit., fig. 9, 1939, of Univ. Qld. Geol. Dept. No. F3289.

Lower Devonian (Yeringian).

Mitchell's Quarry, Cave Hill, Lilydale, Victoria.

Coll. Dr. D. Hill and pres. 19.4.39.

Phillipsastraea speciosa (Chapman, 1914.

Phillipsastraea speciosa F. Chapman, Rec. Geol. Surv. Vic., 3 ([illegible]), p. 306, pl. 49, figs. 10, 11; pl. 50, figs. 12-14, 1914. D. Hill, Proc. Roy. Soc. Vic., n.s., 51 (2), p. 237, pl. 16, figs. 1-4, 1939.

M.U.G.D. No. 1648. HYPOTYPE, source of Fossil Section No. 612.

M.U.G.D. No. 1649. HYPOTYPE, source of Fossil Section No. 611.

M.U.G.D. Fossil Section Coll. No. 611. TECTOHYPOTYPE transverse and part of a vertical section, figured by Hill, loc. cit., fig. 3, 1939, of hypotype No. 1649.

M.U.G.D. Fossil Section Coll. No. 612. TECTOHYPOTYPE, vertical section, figured by Hill, loc. cit., fig. 4, 1939, of hypotype No. 1648.

Lower Devonian.

Loyola, Victoria.

Coll. Miss E. A. Ripper, and pres. 27.6.33.

Pleurodictyum megastomum Dun, 1898.

Pleurodictyum problematicum Goldfuss?: A. F. Foerste, Bull. Sci. Lab. Denison Univ., 3 (2), p. 132, pl. 13, fig. 22, 1888. Not *Pleurodictyum problematicum* G. A. Goldfuss, Petref. Germ., 1 (2), p. 113, pl. 43, figs. 18*a-g*, 1829.

Pleurodictyum, sp. (?*P. megastomum*, McCoy, MS.): W. S. Dun, Proc. Roy. Soc. Vic., n.s., 10 (2), p. 83, pl. 3, fig. 1, May, 1898.

Pleurodictyum megastomum Dun: F. Chapman, *ibid.*, 15 (2), p. 105, pl. 16, figs. 2-5, 1903. F. Chapman, *ibid.*, 33, p. 216, pl. 9, figs. 4-6, 1921. R. S. Allan, Trans. N.Z. Inst., 60 (2), p. 322, 1929. R. B. Withers Proc. Roy. Soc. Vic., n.s., 44 (1), p. 15, text figs. 1-6, 1932. J. Shirley, Quart. Journ. Geol. Soc. Lond., 94 (4), p. 463, pl. 40, figs. 5-8, 1938 E. D. Gill, Proc. Roy. Soc. Vic., n.s., 54 (1), p. 35, pl. 4, figs. 1, 3, 4, 6, 9, 1942.

M.U.G.D. No. 1711. HYPOTYPE, mould of corallites, figured by Gill, loc. cit., fig. 1, 1942.

M.U.G.D. No. 1712. Hypotype, epitheca on *Spirifer,* counterpart of No. 1711, figured by Gill, loc. cit., fig. 3, 1942.

Lower Devonian (Yeringian).

North of Lilydale, Victoria. E. D. Gill's Locality No. 3 (Proc. Roy. Soc. Vic., n.s., 52 (2), pp. 252, 258, 1940).

Pres. Rev. E. D. Gill, 24.5.41.

M.U.G.D. No. 1713. Hypotype, mould of corallites, nineteen-celled form, figured by Gill, loc. cit., fig. 4, 1942.

M.U.G.D. No. 1714. Hypotype, three-celled form, figured by Gill, loc. cit, fig. 6, 1942.

Lower Devonian (Yeringian).

Syme's Tunnel, Killara, Victoria.

Pres. Rev. E. D. Gill, 24.5.41.

Prismatophyllum chalkii (Chapman, 1931).

See *Acervularia chalkii* Chapman, 1931.

Prismatophyllum stevensi (Chapman, 1925).

See *Spongophyllum stevensi* Chapman, 1925.

Rugose Coral, gen. et. sp. indet.

Gen. et sp. indet.: D. Hill, Proc. Roy. Soc. Vic., n.s., 51 (2), p. 256, pl. 15, fig. 12, 1939.

M.U.G.D. Fossil Section Coll. No. 623. Figured specimen, oblique section, figured by Hill, loc. cit., 1939. The original specimen was destroyed in the process of making the slide.

Lower Devonian.

Loyola, Victoria.

Coll. Miss E. A. Ripper, and pres. 27.6.33.

Spongophyllum stevensi Chapman, 1925:—**Prismatophyllum stevensi** (Chapman, 1925).

Spongophyllum stevensi F. Chapman, Proc. Roy. Soc. Vic., n.s., 37 (1), p. 113, pl. 14, figs. 17*a*, 17*b;* pl. 15, figs. 24, 27, May, 1925. O. A. Jones, Proc. Roy. Soc. Qld., 44, p. 52, March, 1933.

Prismatophyllum stevensi (Chapman): D. Hill, Proc. Roy. Soc. Vic., n.s., 51 (2), p. 231, pl. 13, figs. 6, 7, July, 1939.

M.U.G.D. No. 797. Portion of holotype in National Museum, Melbourne (No. 13305), figured by Chapman, loc. cit., 1925.

M.U.G.D. No 797A. Polished piece cut from No. 797.

M.U.G.D. No. 797B. Transverse slice cut from holotype.

M.U.G.D. Fossil Section Coll. No. 624. Tectohypotype, vertical section of holotype, cut from No. 797A, and figured by D. Hill, loc. cit., fig. 6, 1939.

M.U.G.D. Fossil Section Coll. No. 625. Tectohypotype, transverse section of holotype, cut from No. 797A, and figured by D. Hill, loc. cit., fig. 7, 1939.

Lower Devonian (Yeringian).

Mitchell's Quarry, Cave Hill, Lilydale, Victoria.

Pres. L. E. Stevens, 8.8.21.

Trapezophyllum elegantulum (Dun, 1898).

Cyathophyllum elegantulum W. S. Dun, Proc. Roy. Soc. Vic., n.s., 10 (2), p. 85, pl. 3, figs. 5, 6, May, 1898.

Cyathophyllum? elegantulum Dun: R. Etheridge, jun., Prog. Rept. Geol. Surv. Vic., 11, p. 31, pl. B, figs. 2-4, 1899.

Cyathophyllum (Trapezophyllum) elegantulum Dun: R. Etheridge, jun., *ibid.*, p. 32, 1899.

Trapezophyllum elegantulum (Dun): D. Hill, Proc. Roy. Soc. Vic., n.s., 51 (2), p. 235, pl. 16, figs. 9-11, 1939.

M.U.G.D. No. 1647. HYPOTYPE, source of Fossil Sections Nos. 613, 614.

M.U.G.D. Fossil Section Coll. No. 613. TECTOHYPOTYPE, transverse section, figured by Hill, loc. cit., fig. 9, 1939, of hypotype No. 1647.

M.U.G.D. Fossil Section Coll. No. 614. TECTOHYPOTYPE, vertical section, figured by Hill, loc. cit., fig. 10, 1939, of hypotype No. 1647.

M.U.G.D. Fossil Section Coll. No. 615. TECTOHYPOTYPE, vertical section, figured by Hill, loc. cit., fig. 11, 1939. No specimen is known from which this slide was prepared.

Lower Devonian.

Loyola, Victoria.

Coll. Miss E. A. Ripper, and pres. 27.6.33.

ASTEROIDEA.

Eospondylus tenuis Withers and Keble, 1934.

Eospondylus tenuis R. B. Withers and R. A. Keble, Proc. Roy. Soc. Vic., n.s., 47 (1), p. 206, pl. 11, fig. 7 and text fig. 12 on p. 211. 22nd December, 1934.

M.U.G.D. No. 1497. HOLOTYPE, oral aspect, figured by Withers and Keble, loc. cit., 1934.

"Silurian (Yarravian Series)" (Withers and Keble, loc. cit., p. 207, 1934) = Upper Silurian (Melbournian).

"Moonee Ponds" (Withers and Keble, loc. cit., p. 207, 1934) Cliff section, N. of Brunswick Road bridge, Moonee Ponds Creek, West Brunswick, Victoria.

Collected by E. S. Hills, 1926.

Furcaster bakeri Withers and Keble, 1934.

Furcaster bakeri R. B. Withers and R. A. Keble, Proc. Roy. Soc. Vic., n.s., 47 (1), p. 204, pl. 11, figs. 9, 10 and text figs. 10, 11 on p. 211, 22nd December, 1934.

M.U.G.D. No. 1498. SYNTYPE, oral aspect, figured by Withers and Keble, loc. cit., fig. 9 and text fig. 10, 1934.

M.U.G.D. No. 1499 SYNTYPE, aboral aspect (counterpart of No. 1498) figured by Withers and Keble, loc. cit., fig. 10 and text fig. 11, 1934.

"Silurian (Yarravian)" (Withers and Keble, loc. cit., p. 205, 1934) = Upper Silurian (Melbournian).

East side of new Yarra Boulevard, vicinity of Dight's Falls, Studley Park, Victoria. The specimen was not *in situ*.

Collected by G. Baker, 27.1.34.

Hallaster parvus Withers and Keble, 1934.

Taeniaster (?) aff. *spinosus* Billings: E. S. Hills, Proc. Roy. Soc. Vic., n.s., 41 (2), p. 179, 1929 (list name). Not *Taeniaster spinosus* E. Billings, Geol. Surv. Canada, Canadian Organic Remains, decade 3, p. 81, pl. 10, figs. *3a-d*, 1858.

Hallaster parvus R. B. Withers and R. A. Keble, Proc. Roy. Soc. Vic., n.s., 47 (1), p. 203, pl. 11, figs. 5, 6, text figs. 8, 9 on p. 211, 22nd December, 1934.

M.U.G.D. No. 792. Syntype, oral aspect, figured by Withers and Keble, loc. cit., fig. 5 and text fig. 8, 1934.

M.U.G.D. No. 793. Syntype, aboral aspect (counterpart of No. 792), figured by Withers and Keble, loc. cit., fig. 6 and text fig. 9, 1934.

Silurian.

Blue Hills, Taggerty, Victoria.

Presented by E. S. Hills, 20.2.29.

Lapworthura pulcherrima Withers and Keble, 1934.

Lapworthura pulcherrima R. B. Withers and R. A. Keble, Proc. Roy. Soc. Vic., n.s., 47 (1), p. 201, pl. 11, figs. 1, 2 and text figs. 4, 5 on p. 201, 22nd December, 1934.

M.U.G.D. No. 1157. Syntype, aboral aspect, figured by Withers and Keble, loc. cit., fig. 1 and text fig. 4, 1934.

M.U.G.D. No. 1500. Syntype, oral aspect (counterpart of No. 1157), figured by Withers and Keble, loc. cit., fig. 2 and text fig. 5, 1934.

"Silurian (Yarravian Series)" (Withers and Keble, loc. cit., p. 202, 1934) = Upper Silurian (Melbournian).

"Dawson-street, West Brunswick, about quarter of a mile north of the Geological Survey of Victoria Locality Flemington (B8)" (Withers and Keble, loc. cit., p. 202, 1934), Victoria. The specimen came from a sewerage tunnel on the east side of Moonee Ponds Creek (D. McCance, personal communication).

Presented by D. M. McCance, July, 1927.

ECHINOIDEA.

Linthia mooraboolensis Pritchard, 1908.

Linthia mooraboolensis G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 21 (1), p. 394, pl. 22, figs. 1, 2; pl. 23, figs. 3, 4, August, 1908.

M.U.G.D. No. 1689. Holotype, figured by Pritchard, loc. cit., 1908.

Miocene (Batesfordian).

Filter Quarries (limestones), Moorabool River near Batesford, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

cf. **Lovenia** sp.

cf. *Lovenia* F. Chapman, Vic. Naturalist, 39 (11), p. 158, pl. 4, 2 figs., 8th March, 1923

M.U.G.D. No. 555. Figured specimen, internal cast, figured by Chapman, loc. cit., 1923.

Lower Pliocene (Kalimnan?).

Sand-pit, Studley Park, Kew, Victoria.

Collected on geological excursion of Melbourne University students, 1917.

BRACHIOPODA.

Anoplia australis Gill, 1942.

Anoplia australis E. D. Gill, Proc. Roy. Soc. Vic., n.s., 54 (1), p. 38, pl. 4, fig. 8, 15th April, 1942.

M.U.G.D. No. 1720. Holotype, internal casts of dorsal and ventral valves, figured by Gill, loc. cit., 1942.

Lower Devonian (Yeringian).

Quarry in impure limestone, south side of Warburton highway, Seville, Victoria. Military Survey of Victoria, Ringwood Sheet, reference 497, 413.

Pres. Rev. E. D. Gill, 24.5.41.

Anoplia withersi Gill, 1942.

Anoplia withersi E. D. Gill, Proc. Roy. Soc. Vic., n.s., 54 (1), p. 39, pl. 4, fig. 7, 15th April, 1942.

M.U.G.D. No. 1721. Holotype, internal cast of ventral valve, figured by Gill, loc cit., 1942.

Lower Devonian (Yeringian).

Syme's Tunnel, Killara, Victoria.

Pres. Rev. E. D. Gill, 24.5.41.

Chonetes bipartita Chapman, 1913.

See *Stropheodonta bipartita* (Chapman, 1913).

Cyrtinopsis perlamellosus (J. Hall, 1857).

Spirifer perlamellosa J. Hall, Tenth Ann. Rept. New York State, Cabinet Nat. Hist., p. 57, figs. 1, 2, 1857.

Spirifer perlamellosus J. Hall, Nat. Hist. New York, Palaeont., 3, p. 201, pl. 26, figs. 1*a-s*, 2*a-g*, 1859. J. Hall and J. M. Clarke, Nat. Hist. New York, pt. 6, Palaeont., 8 (2), p. 15, pl. 35, figs. 7-13, 1894.

Spirifer (Delthyris) perlamellosus Hall: A. W. Grabau and H. W. Shimer, North American Index Fossils, 1, p. 320, text fig. 407 (p. 321), 1909.

Cyrtinopsis perlamellosus (Hall): J. Shirley, Quart. Journ. Geol. Soc. Lond., 94 (4), p. 482, pl. 44, figs. 9, 10, 1938. E. D. Gill, Proc. Roy. Soc. Vic., n.s., 54 (1), p. 42, pl. 6, figs. 6, 7, 1942.

M.U.G.D. No. 1722. Hypotype, external mould of dorsal valve, figured by Gill, loc. cit., fig. 6, 1942.

M.U.G.D. No. 1723. Hypotype, internal cast of ventral valve, figured by Gill, loc. cit., fig. 7, 1942.

Lower Devonian (Yeringian).

Hull Road, Mooroolbark, Victoria. E. D. Gill's Locality No. 13 (Proc. Roy. Soc. Vic., n.s., 52 (2), pp. 252 et seq., 1940).

Pres. Rev. E. D. Gill, 24.5.41.

Eospirifer densilineata (Chapman, 1908).

Spirifer perlamellosus J. Hall variety *densilineata* F. Chapman, Proc. Roy. Soc. Vic., n.s., 21 (1), p. 223, pl. 4, figs. 1, 2; pl. 5, August, 1908.

Eospirifer densilineata (Chapman): E. D. Gill, *ibid.*, 54 (1), p. 43, pl. 4, fig. 2, 1942.

M.U.G.D. No. 1715. Hypotype, figured by Gill, loc. cit., 1942.

Lower Devonian (Yeringian).

Cemetery Hill Road, Whittlesea, Victoria (type locality). J. T. Jutson's Locality VII. (Proc. Roy. Soc. Vic., n.s., 21 (1), p. 213, pl. 3, 1908).

Pres. Rev. E. D. Gill, 24.5.41.

Fascicostella gervillei (Defrance, 1827).

Strophomenes gervillei M. J. L. Defrance, Dict. Sci. nat., *32*, 51, p. 152, 1827.

Orthis gervillei Defrance: J. Barrande, Haidinger, Naturwiss. Abh. II, 1 Abth., p. 48, pl. 19, fig. 10, 1848. J. Barrande, Syst. sil. Bohême, 5, pl. 58, figs. 10*a-e*; pl. 60, fig. II. 1A, *2c*, *3a*, *4e*; pl. 126, fig. II, *3a*, *b*, *4c*, 1879. C. Barrois, Mém. Soc. Géol. Nord. *2* (1), p. *237*, pl. 9, fig. 1, 1882. D. P. Oehlert, Ann. Sci. géol., 19, p. 44, pl. 4, figs. 45-55, 1886. P. Assmann, Jahrb. K. preuss. geol. Landesanst., 31 (1), p. 161, pl. 10, fig. 3, 1910. F. Herrmann, *ibid.*, 33 (1), p. 349, pl. 21, figs. 4, 5, 1912. T. Hüffner, *ibid.*, 37 (1), p. 291. W. Paeckelmann, Abh. preuss. geol. Landesanst. N. F. 98, p. 116, 1925. R. Kozlowski, Palaeont. Polonica, 1, p. 70, pl. 1, fig. 32, 1929.

Dalmanella gervillei Defrance: W. Paeckelmann and H. Sieverts, Abh. preuss. geol. Landesanst. N.F. 142, p. 31, 1932.

Fascicostella gervillei Defrance: C. Schuchert and G. A. Cooper, Amer. Journ. Sci., [5] 22, p. 246, 1931. C. Schuchert and G. A. Cooper, Mem. Peabody Mus. Nat. Hist., 4, p. 129, pl. 92, figs. 12, 15, 1932. J. Shirley, Quart. Journ. Geol. Soc. Lond., 94 (4), p. 466, pl. 41, figs. 4-6, 1938. E. D. Gill, Proc. Roy. Soc. Vic., n.s., 54 (1), p. 37, pl. 6, figs. 3-5, 1942.

M.U.G.D. No. 1728. Hypotype, internal cast of ventral valve, figured by Gill, loc. cit., fig. 3, 1942.

M.U.G.D. No. 1729. Hypotype, internal cast of ventral valve, figured by Gill, loc. cit., fig. 4, 1942.

M.U.G.D. No. 1730. Hypotype, internal cast of dorsal valve, figured by Gill, loc. cit., fig. 5, 1942.

Lower Devonian (Yeringian).

Melbourne Hill, Lilydale, Victoria. E. D. Gill's Locality No. 7 (Proc. Roy. Soc. Vic., n.s., 52 (2), pp. 252, 259, 1940).

Pres. Rev. E. D. Gill, 24.5.41.

Hipparionyx minor Clarke, 1909.

Hipparionyx minor J. M. Clarke, Mem. New York State Mus., 9 (2), p. 124, pl. 31, figs. 16-20, 1909. J. Shirley, Quart. Journ. Geol. Soc. Lond., 94 (4), p. 472, pl. 42, figs. 1-6, 1938. E. D. Gill, Proc. Roy. Soc. Vic., n.s., 54 (1), p. 39, pl. 5, figs. 1, 10; pl. 6, fig. 2, 1942.

M.U.G.D. No. 1731. Hypotype, internal cast of ventral valve, figured by Gill, loc. cit., fig. 1, 1942.

M.U.G.D. No. 1732. Hypotype, external mould of ventral valve, counterpart of No 1731, figured by Gill, loc. cit., fig. 10, 1942.

Lower Devonian (Yeringian).

Hull Road, Mooroolbark, Victoria. E. D. Gill's Locality No. 13 (Proc. Roy. Soc. Vic., n.s., 52 (2), pp. 252 et seq., 1940).

Pres. Rev. E. D. Gill, 24.5.41.

Leptaena rhomboidalis (Wilckens, 1769).

Conchita rhomboidalis C. F. Wilckens, Nachr. Selt. Verst., p. 77, pl. 8, figs. 43, 44, 1769.

Strophomena rhomboidalis Wilckens sp.: J. Barrande, Syst. sil. Bohême, 5, p. 197, pl. 41, figs. *25a-c*, *30a*, *b*, 1879.

Leptaena rhomboidalis (Wilckens): J. Hall and J. M. Clarke, Nat. Hist. New York, pt. 6, Palaeont., 8 (1), pl. 8, figs. 20-27, 1892. A. W. Grabau and H. W. Shimer, North American Index Fossils, 1, p. 226, text-fig. 273*b*, 1909.

Leptaena (Leptagonia) rhomboidalis (Wilckens): F. McCoy, Prodromus Palaeont. Vic. Decade 5, p. 19, pl. 46, fig. 1, 1877.

[?] *Leptaena rhomboidalis* Wilckens sp.: F. Chapman, Proc. Roy. Soc. Vic., n.s., 26 (1), pp. 101, 102, pl. 10, fig. 3 (*non* p. 103, pl. 10, figs. 4-7), 1913.

Leptaena rhomboidalis (Wilckens): E. D. Gill, *ibid.*, 54 (1), p. 40, pl. 5, figs. 5, 8, 1942.

M.U.G.D. No. 1718. Hypotype, internal mould of dorsal valve, figured by Gill, loc. cit., fig. 3, 1942.

M.U.G.D. No. 1719. Hypotype, external cast, counterpart of No. 1718, figured by Gill, loc. cit., fig. 8, 1942.

Lower Devonian (Yeringian).

Hull Road, Mooroolbark, Victoria. E. D. Gill's Locality No. 13 (Proc. Roy. Soc. Vic., n.s., 52 (2), pp. 252 et seq., 1940).

Pres. Rev. E. D. Gill, 24.5.41.

Nucleospira cf. **marginata** Maurer, 1886.

Nucleospira marginata F. Maurer, Die Fauna des rechtsrheinischen Unterdevon, Darmstadt, p. 19, 1886. L. Benshausen, Jahrb. K. preuss. geol. Landesanst., 17, p. 289, pl. 5, figs. 8-12, 1897.

Nucleospira cf. *marginata* Maurer: J. Shirley, Quart. Journ. Geol. Soc. Lond., 94 (4), p. 481, pl. 94, figs. 6-8, 1938. E. D. Gill, Proc. Roy. Soc. Vic., n.s., 54 (1), p. 43, pl. 4, fig. 5; pl. 5, fig. 6, 1942.

M.U.G.D. No 1726. Hypotype, internal cast of ventral valve, figured by Gill, loc. cit., pl. 4, fig. 5, 1942.

M.U.G.D. No. 1727. Hypotype, internal cast of ventral valve, figured by Gill, loc. cit., pl. 5, fig. 6, 1942.

Lower Devonian (Yeringian).

Hull Road, Mooroolbark, Victoria. E. D. Gill's Locality No. 13 (Proc. Roy. Soc. Vic., n.s., 52 (2), pp. 252 et. seq., 1940).

Pres. Rev. E. D. Gill, 24.5.41.

Schizophoria provulvaria (Maurer, 1893).

Orthis provulvaria F. Maurer, Neues Jahrb. f. Min., 1, p. 7, pl. 3, figs. 1-4, 1893.

Schizophoria provulvaria (Maurer): F. Drevermann, Palaeontographica, 1, p. 267, pl. 30, figs. 29, 30, 1904. C. Schuchert and G. A. Cooper, Mem. Peabody Mus. Nat. Hist., 4 (1), pl. 23, fig. 11, 1932. E. Maillieux, Mem. Mus. roy. Hist. nat. Belg., 23, p. 53, 1936. J. Shirley, Quart. Journ. Geol. Soc Lond., 94 (4), p. 465, pl. 40, figs. 10-13, 1938. E. D. Gill, Proc. Roy. Soc. Vic., n.s., 54 (1), p. 63, pl. 6, fig. 1, 1942.

M.U.G.D. No. 1733. Hypotype, internal cast of ventral valve, figured by Gill, loc. cit., 1942.

Lower Devonian (Yeringian).

Hull Road, Mooroolbark, Victoria. E. D. Gill's Locality No. 13 (Proc. Roy. Soc. Vic., n.s., 52 (2), pp. 252 et. seq., 1940).

Pres. Rev. E. D. Gill, 24.5.41.

(?) **Siphonotreta lancefieldiensis** Sherrard, 1930.

(?) *Siphonotreta lancefieldiensis* K. Sherrard, Proc. Roy. Soc. Vic., n.s., 42 (2), p. 137, pl. 11, fig. 4, 13th March, 1930.

M.U.G.D. No. 995. Holotype, figured by Sherrard, loc. cit., 1930.

Lower Ordovician (Lancefieldian, Zone La 2).

Quarry, Allot. 56, Parish of Goldie, near Lancefield, Victoria.

Coll. Sept., 1923 and pres. Mrs. K. Sherrard, 12.12.29.

Spirifer perlamellosus J. Hall, 1857.

See *Cyrtinopsis perlamellosus* (J. Hall, 1857).

Spirifer perlamellosus J. Hall var. **densilineata** Chapman, 1908.

See *Eospirifer densilineata* (Chapman, 1908).

Stropheodonta bipartita (Chapman, 1913).

Chonetes bipartita F. Chapman, Proc. Roy. Soc. Vic., n.s., 26 (1), p. 104, pl. 10, figs. 8-10, September, 1913.

Stropheodonta bipartita (Chapman): E. D. Gill, *ibid.*, 54 (1), p. 41, pl. 5, figs. 7, 9; pl. 6, fig. 10, 1942.

M.U.G.D. No. 1724. Hypotype, external moulds of both valves, figured by Gill, loc. cit., pl. 5, fig. 9; pl. 6, fig. 10, 1942.

M.U.G.D. No. 1725. Hypotype, internal casts of both valves, counterpart of No. 1724, figured by Gill, loc. cit., pl. 5, fig. 7, 1942.

Lower Devonian (Yeringian).

Yellingbo, Victoria. " . . . a low cutting on the road running west from the picnic ground beside Woori Yallock Creek, about a quarter of a mile from the creek" (Gill, loc. cit., p. 26, 1942).

Pres. Rev. E. D. Gill, 24.5.41.

PELECYPODA.

Antigona (Proxichione) cognata (Pritchard, 1903).

See *Chione cognata* Pritchard, 1903.

Antigona (Proxichione) etheridgei (Pritchard, 1903).

See *Chione etheridgei* Pritchard, 1903.

Arca capulopsis Pritchard, 1901.

Arca capulopsis G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 14 (1), p. 23, pl. 2, figs. 1, 2, August, 1901.

M.U.G.D. No. 1773. Holotype, left valve, figured by Pritchard, loc. cit., 1901.

Miocene (Balcombian).

Orphanage Hill, Fyansford, near Geelong, Victoria.

Coll. T. S. Hall. Purchased from Dr. G. B. Pritchard, 11.10.39.

Aulacomya mooraboolensis (Pritchard, 1903).

See *Mytilus mooraboolensis* Pritchard, 1903.

Cardita excrescens Pritchard, 1903:—**Venericardia excrescens** (Pritchard, 1903).

Cardita excrescens G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 15 (2), p. 98, pl. 12, figs. 2, 3, February, 1903.

M.U.G.D. No. 1753. Holotype, left valve, figured by Pritchard, loc. cit., 1903.

Miocene (Balcombian).

Shores of Lake Bullen Merri, near Camperdown, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Cardita maudensis Pritchard, 1895:—**Venericardia maudensis** (Pritchard, 1895).

Cardita maudensis G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 7, p. 229, pl. 12, figs. 6, 7, January, 1895. G. F. Harris, Cat. Tert. Moll. Brit. Mus., pt. 1, p. 360, 1897.

M.U.G.D. No. 1745. Syntype, right valve, figured by Pritchard, loc. cit., fig. 6, 1895.

M.U.G.D. No. 1746. Syntype, left valve, figured by Pritchard, loc. cit., fig. 7, 1895.

Miocene (Janjukian?).

"Lower Eocene calcareous sands, Moorabool Valley near Maude" (Pritchard, 1895) = Lower beds, Maude, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Carditella regularis Pritchard. 1901.

Carditella regularis G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 14 (1). p. 28, pl. 2, fig. 5, August, 1901.

M.U.G.D. No. 1775. Holotype, right valve, figured by Pritchard, loc. cit., 1901.

Grice's Creek, between Frankston and Mornington, Port Phillip, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Chione cognata Pritchard, 1903:—**Antigona (Proxichione) cognata** (Pritchard, 1903).

Chione cognata G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 15 (2), p. 101, pl. 12, fig. 5, February, 1903.

M.U.G.D. No. 1755. Holotype, left valve, figured by Pritchard, loc. cit., 1903.

Lower Pliocene (Kalimnan).

Grange Burn, below Forsyth's, near Hamilton, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Chione etheridgei Pritchard, 1903:—**Antigona (Proxichione) etheridgei** (Pritchard, 1903).

Chione etheridgei G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 15 (2), p. 99, pl. 12, fig. 1, February, 1903.

M.U.G.D. No. 1752. Holotype, left valve, figured by Pritchard, loc. cit., 1903.

Miocene (Janjukian).

"Lower beds of the Spring Creek series or Bird Rock Bluff, near Geelong" (Pritchard, loc. cit., p. 100, 1903) = Lower beds, Bird Rock cliffs, near Spring Creek, Torquay, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Chione halli Pritchard, 1895.

Chione halli G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 7, p. 229, pl. 12, figs. 10-12, January, 1895. Not *Chione hallii* R. Tate, Trans. Roy. Soc. S. Aust., 24 (2), p. 107, pl. 2, fig. 5, 1901 (=*Chione roberti* G. B. Pritchard, nom. mut., Vic. Naturalist, 23 (6), p. 117, 4th October, 1906.)

M.U.G.D. No. 1749. Syntype, right valve, figured by Pritchard, loc. cit., fig. 10, 1895.

M.U.G.D. No. 1750. Syntype, left valve, figured by Pritchard, loc. cit., fig. 11, 1895.

M.U.G.D. No. 1751. Syntype, right valve, figured by Pritchard, loc. cit., fig. 12, 1895.

Miocene (Janjukian).

"Lower Eocene sands and clays of Spring Creek, 14 miles south of Geelong" (Pritchard, 1895) = Lower beds, Bird Rock cliffs, near Spring Creek, Torquay, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Chlamys asperrimus asperrimus (Lamarck, 1819).

Pecten asperrimus J. P. B. A. Lamarck, Hist. Nat. Anim. s. Vert., 11, p. 174, 1819. B. Delessert, Rec. Coq. décr. par Lamarck dans son Hist. Nat. Anim. s. Vert. et non encore figurées, pl. 15, figs. 1*a*, 1*b*, 1841.

Chlamys apserrimus asperrimus (Lamarck, 1819): J. H. Gatliff and F. A. Singleton, Proc. Roy. Soc. Vic., n.s., 42 (2), p. 73, pl. 2, figs. 1, 2; pl. 3, fig. 5; pl. 4, fig. 10, March, 1930.

M.U.G.D. No. 989. Hypotype, figured by Gatliff and Singleton, loc. cit., pl. 2, fig. 1; pl. 4, fig. 11, 1930.

M.U.G.D. No. 990. Hypotype, counterpart of No. 989, figured by Gatliff and Singleton, loc. cit., pl. 3, fig. 5, 1930

M.U.G.D. No. 991. Hypotype, figured by Gatliff and Singleton, loc. cit., pl. 2, fig. 2, 1930.

M.U.G.D. No. 992. Counterpart of hypotype No. 991.

Recent.

Westernport, Victoria (dredged).

Pres. J. H. Gatliff, 8.8.29.

Crassatellites camurus Pritchard, 1903:—**Eucrassatella camura** (Pritchard, 1903).

Crassatellites camurus G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 15 (2), p. 96, pl. 14, figs. 5-9, February, 1903.

M.U.G.D. No. 1761. Syntype, left valve, figured by Pritchard, loc. cit., fig. 5, 1903.

M.U.G.D. No. 1762. Syntype, right valve, figured by Pritchard, loc. cit., fig. 6, 1903.

Lower Pliocene (Kalimnan).

Grange Burn, between Forsyth's and Henty's, near Hamilton, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

M.U.G.D. No. 1763. Syntype, juvenile left valve, figured by Pritchard, loc. cit., fig. 7, 1903.

M.U.G.D. No. 1764. Syntype, juvenile right valve, figured by Pritchard, loc. cit., fig. 8, 1903.

M.U.G.D. No. 1765. Syntype, juvenile right valve, figured by Pritchard, loc. cit., fig. 9, 1903.

M.U.G.D. No. 1766. Syntype, juvenile left valve, unfigured.

Lower Pliocene (Kalimnan).

"Muddy Creek, near the State School" (Pritchard, loc. cit., p. 97, 1903) = MacDonald's, Muddy Creek, near Hamilton, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

The above shells (Nos. 1761-6) were in a box with a label in Pritchard's handwriting, "Crassatellites camarus [*sic*] Pritchard. *Types.* Miocene. Grange Burn and Muddy Creek, W. Vic." They have been allocated to the above localities upon their mode of preservation.

Crassatellites kingicoloides Pritchard, 1903:—**Eucrassatella kingicoloides** (Pritchard, 1903).

Crassatellites kingicoloides G. B. Pritchard. Proc. Roy Soc. Vic., n.s., 15 (2), p. 94, pl. 13, figs. 1-3, February, 1903.

M.U.G.D. No. 1756. HOLOTYPE, paired valves, figured by Pritchard, loc. cit., 1903.

Lower Pliocene (Kalimnan).

Jimmy's Point [= Jemmy's Point], Kalimna, Gippsland Lakes, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Crassatellites maudensis Pritchard, 1903:—**Eucrassatella maudensis** (Pritchard, 1903).

Crassatellites maudensis G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 15 (2), p. 93, pl. 14, figs. 2, 3, February, 1903.

M.U.G.D. No. 1758. SYNTYPE, right valve, figured by Pritchard, loc. cit., fig. 2, 1903.

M.U.G.D. No. 1759. SYNTYPE, right valve, figured by Pritchard, loc. cit., fig. 3, 1903.

Miocene (Janjukian).

"Lower and Middle beds of the Spring Creek series, or Bird Rock Bluff, near Geelong" (Pritchard, loc. cit., p. 94, 1903) = Bird Rock cliffs, near Spring Creek, Torquay, Victoria. The inner lid of box bears "Spring Creek" only.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Cucullaea corioensis praelonga Singleton, 1932: **Cucullaea praelonga** (Singleton, 1932).

Cucullaea corioensis F. McCoy, Prodromus Palaeont. Vic., decade 3, pl. 27, figs. 3(?), 5*a* (*non* 4, 5), 1876.

Cucullaea corioensis praelonga F. A. Singleton, Proc. Roy. Soc. Vic., n.s., 44 (2), p. 303, pl. 26, figs. 20*a*, *b*, 20th April, 1932.

M.U.G.D. No. 1320. HOLOTYPE, right valve, figured by Singleton, loc. cit., 1932.

Lower Pliocene (Kalimnan).

"Forsyth's," Grange Burn, near Hamilton, Victoria.

Coll. H. S. Summers. Presented by F. A. Singleton, 29.2.32. It was formerly No. 5 in F. A. Singleton's private collection.

Cucullaea praelonga (Singleton, 1932).

See *Cucullaea corioensis praelonga* Singleton, 1932.

Cucullaea (Cucullona) psephea Singleton, 1943.

Cucullaea (*Cucullona*) *psephea* F. A. Singleton, Proc. Roy. Soc. Vic., n.s., 55 (2), p. 270, pl. 13, figs. 7*a*, *b*; 8*a*, *b*, October, 1943.

M.U.G.D. No. 1869. HOLOTYPE, right valve, figured by Singleton, loc. cit., fig. 7*a*, *b*, 1943.

M.U.G.D. No. 1870. PARATYPE, right valve, figured by Singleton, loc. cit., fig. 8*a*, *b*, 1943.

Eocene.

Second point north-west of Pebble Point, coastal cliffs 2½ miles south-east of Princetown, Victoria.

Coll. Jan., 1942, and pres. G. Baker, Jan., 1943.

Dosinia densilineata Pritchard, 1896.

Dosinia densilineata G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 8, p. 135, pl. 4, figs. 5-7, April, 1896.

M.U.G.D. No. 1738. SYNTYPE, left valve, figured by Pritchard, loc. cit., fig. 5, 1896.

M.U.G.D. No. 1739. SYNTYPE, paired valves, figured by Pritchard, loc. cit., fig. 6, 1896.

M.U.G.D. No. 1740. SYNTYPE, right valve, figured by Pritchard, loc. cit. fig. 7, 1896.

Miocene (Janjukian).

"Lower Eocene sandy beds of Spring Creek, near Geelong" (Pritchard, loc. cit., p. 137, 1896) = Lower beds, Bird Rock cliffs, near Spring Creek, Torquay, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Eotrigonia intersitans (Tate, 1896).

See *Trigonia tatei* Pritchard, 1895.

Eotrigonia lutosa (Pritchard, 1903).

See *Trigonia semiundulata* Jenkins var. *lutosa* Pritchard, 1903.

Eotrigonia semiundulata (Jenkins, 1865).

See *Trigonia semiundulata* Jenkins, 1895.

Eotrigonia semiundulata granosa (Pritchard, 1903).

See *Trigonia semiundulata* Jenkins var. *granosa* Pritchard, 1903.

Eucrassatella camura (Pritchard, 1903).

See *Crassatellites camurus* Pritchard, 1903.

Eucrassatella kingicoloides (Pritchard, 1903).

See *Crassatellites kingicoloides* Pritchard, 1903.

Eucrassatella maudensis (Pritchard, 1903).

See *Crassatellites maudensis* Pritchard, 1903.

Glycimeris halli Pritchard, 1903:—**Glycymeris halli** (Pritchard, 1903).

Glycimeris halli G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 15 (2), p. 89, pl. 15, figs. 1, 2, 8, February, 1903.

Glycymeris halli, Pritchard: F. Chapman and F. A. Singleton, *ibid.*, 37 (1), p. 40, pl. 3, fig. 25; pl. 4, fig. 15, 1925.

M.U.G.D. No. 1783. HOLOTYPE, left valve, figured by Pritchard, loc. cit., figs. 1, 2, 1903.

M.U.G.D. No. 1784. PARATYPE, juvenile left valve, figured by Pritchard, loc. cit., fig. 8, 1903.

Lower Pliocene (Kalimnan).

Upper beds, Muddy Creek, near Hamilton, Victoria.

While the above type material is marked as from "M.C."—Muddy Creek, this term is commonly used to include the upper beds at the adjacent stream, Grange Burn. Pritchard (loc. cit., p. 91, 1903) includes as localities "Grange Burn, between Forsyth's and Henty's, from the clays and sands of the upper series; Muddy Creek, from the upper beds below the State School." This latter locality is commonly known as MacDonald's, Muddy Creek. The paratype is probably, on its mode of preservation, from near Forsyth's, Grange Burn: whether the holotype is from Forsyth's or MacDonald's is uncertain.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Glycimeris halli Pritchard var. **intermedius** Pritchard, 1903:—
Glycymeris halli mistio (Finlay, 1927).

Glycimeris halli Pritchard, variety *intermedius* G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 15 (2), p. 90, pl. 14, figs. 10, 11, February, 1903. Not *Pectunculus intermedius* Broderip, Proc. Zool. Soc. Lond., pt. 2, p. 126, 1832.

Glycymeris halli var. *intermedia* Pritchard: F. Chapman and F. A. Singleton, Proc. Roy. Soc. Vic., n.s., 37 (1), p. 41, 1925.

Glycimeris halli mistio H. J. Finlay, nom. nov., Trans. N.Z. Inst., 57, p. 524, 1927.

M.U.G.D. No. 1785. SYNTYPE, right valve, figured by Pritchard, loc. cit., fig. 10, 1903.

M.U.G.D. No. 1786. SYNTYPE, right valve, figured by Pritchard, loc. cit., fig. 11, 1903

Lower Pliocene (Kalimnan).

Upper beds, Muddy Creek, near Hamilton, Victoria.

The same remarks apply to this as to the preceding, but the coloration of the specimens suggests that they are from MacDonald's, Muddy Creek.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Glycimeris halli Pritchard var. **paucicostatus** Pritchard, 1903:—
Glycymeris halli paucicostata (Pritchard, 1903).

Glycimeris halli Pritchard, variety *paucicostatus* G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 15 (2), p. 90, pl. 14, fig. 12; pl. 15, fig. 9, February, 1903.

Glycymeris halli var. *paucicostata* Pritchard: F. Chapman and F. A. Singleton, *ibid.*, 37 (1), p. 42, 1925.

M.U.G.D. No. 1787. SYNTYPE, left valve, figured by Pritchard, loc. cit., pl. 14, fig. 12, 1903.

M.U.G.D. No. 1788. SYNTYPE, left (?) valve, figured by Pritchard, loc. cit., pl. 15, fig. 9, 1903.

Lower Pliocene (Kalimnan).

"Sandy clays of Jimmy's Point, Gippsland" (Pritchard, loc. cit., p. 91, 1903)—Jemmy's Point, Kalimna, Gippsland Lakes, Victoria.

Glycymeris (Grandaxinaea) granti Singleton, 1932.

Glycymeris (Grandaxinaea) granti F. A. Singleton, Proc. Roy. Soc. Vic., n.s., 44 (2), p. 294, pl. 24, figs. 10*a*, 10*b*, 11, April, 1932.

M.U.G.D. No. 1315. HOLOTYPE, left valve, figured by Singleton, loc. cit., figs. 10*a*, 10*b*, 1932.

M.U.G.D. No. 1316. Paratype, right valve, figured by Singleton, loc. cit., fig. 11, 1932.

Miocene (Balcombian).

Lower Beds, Muddy Creek, near Hamilton, Victoria.

Pres. F. H. McK. Grant, 24.6.31.

Glycymeris halli (Pritchard, 1903).

See *Glycimeris halli* Pritchard, 1903.

Glycymeris halli mistio (Finlay, 1927).

See *Glycimeris halli* Pritchard var. *intermedius* Pritchard, 1903.

Glycymeris halli paucicostata (Pritchard, 1903).

See *Glycimeris halli* Pritchard var. *paucicostatus* Pritchard, 1903.

Glycymeris (Veletuceta) pseudaustralis Singleton, 1941.

Glycymeris (Veletuceta) pseudaustralis F. A. Singleton, Proc. Roy. Soc. Vic., n.s., 53 (2), p. 425, pl. 20, figs. 4, 5. July, 1941.

M.U.G.D. No. 1674. Holotype, right valve, figured by Singleton, loc. cit., fig. 4, 1941.

M.U.G.D. No. 1675. Paratype, right valve, figured by Singleton, loc. cit., fig. 5, 1941.

Upper Pliocene (Werrikooian).

Glenelg River at "Roscoe's", Parish of Killara, Victoria. (Holotype No. 1674.)

Caldwell's Cliff, Glenelg River, Parish of Werrikoo, Victoria. (Paratype No. 1675.)

Coll and pres. F. A. Singleton, 12.12.40.

Lahillia australica Singleton, 1943.

Lahillia australica F. A. Singleton, Proc. Roy. Soc. Vic., n.s., 55 (2), p. 273, pl. 12, figs. 3-5, October, 1943.

M.U.G.D. No. 1865. Holotype, left valve, figured by Singleton, loc. cit., fig. 5, 1943.

Eocene.

Second point north-west of Pebble Point, coastal cliffs 2½ miles south-east of Princetown, Victoria.

Coll. Jan., 1942, and pres. G. Baker, Jan., 1943.

M.U.G.D. No. 1866. Paratype, right valve, figured by Singleton, loc. cit., fig. 3, 1943.

M.U.G.D. No. 1867. Paratype, left valve, figured by Singleton, loc. cit., fig. 4, 1943.

Eocene.

East side of Pebble Point, coastal cliffs 2½ miles south-east of Princetown, Victoria.

Coll. Oct., 1915, and pres. W. J. Parr, Dec., 1942.

Leda acuticauda Pritchard, 1901:—**Nuculana acuticauda** (Pritchard, 1901).

Leda acuticauda G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 14 (1), p. 27, pl. 3, figs. 4, 4*a*, August, 1901.

M.U.G.D. No. 1781. Holotype, paired valves, figured (right valve) by Pritchard, loc. cit., 1901.

M.U.G.D. No. 1782. Paratype, right valve, unfigured.

Miocene (Balcombian).

Grice's Creek, between Frankston and Mornington, Port Phillip, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Leda fontinalis Pritchard, 1901: — **Nuculana fontinalis** (Pritchard, 1901).

Leda fontinalis G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 14 (1), p. 28, pl. 3, figs. 3, 3*a*, August, 1901.

M.U.G.D. No. 1779. Holotype, paired valves, figured (left valve) by Pritchard, loc. cit., 1901. Now separated into left (1779A) and right (1779B) valves.

M.U.G.D. No. 1780. Paratype, left valve, unfigured.

"Lower beds of the Spring Creek or Bird Rock Bluff section, near Geelong" (Pritchard, loc. cit., p. 28, 1901) = Lower beds, Bird Rock cliffs, near Spring Creek, Torquay, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Limopsis chapmani Singleton, 1932.

"*Limopsis aurita* (Brocchi)": F. McCoy, Prodromus Palaeont. Vic., decade 2. p. 23, pl. 19, figs. 5, 6, 6*a*, *b*, 7, 1875. R. Tate, Pap. Roy. Soc. Tas. for 1884, p. 212, 1885. R. Tate, Trans. Roy. Soc. S. Aust., 8, p. 134, 1886. R. M. Johnston, Geology of Tasmania, pl. 32, fig. 7, 1888. Not *Arca aurita* Brocchi, Conchiologia Fossile Subapennina, p. 485, pl. 11, figs. 9*a*, *b*, 1814.

"*Limopsis insolita* (G. B. Sowerby)": R. Tate, Trans. Roy. Soc. S. Aust., 8, p. 134, 1886. G. F. Harris, Cat. Tert. Moll. Brit. Mus., pt. 1, p. 344, 1897. F. Chapman, Proc. Roy. Soc. Vic., n.s., 23 (2), p. 425, pl. 84, fig. 5; pl. 85, fig. 11, 1911. Not *Trigonocoelia insolita* G. B. Sowerby, in C. Darwin, Geol. Obs. S. Amer., p. 252 (2nd ed., p. 608, 1876), pl. 2, figs. 20, 21, 1846.

Limopsis chapmani F. A. Singleton, Proc. Roy. Soc. Vic., n.s., 44 (2), p. 296, pl. 24, figs. 12-14; pl. 25, figs. 16*a-c*, 20th April, 1932.

M.U.G.D. No. 1317. Holotype, right valve of pair, figured by Singleton, loc. cit., figs. 16*a-c*, 1932.

M.U.G.D. No. 1318. Paratype, right valve, figured by Singleton, loc. cit., fig. 12, 1932.

M.U.G.D. No. 1319. Paratype, right valve, figured by Singleton, loc. cit., fig. 13, 1932.

Miocene (Janjukian).

Lower beds, Bird Rock Cliffs, near Spring Creek, Torquay, Victoria.

Coll. and pres. F. A. Singleton, 29.2.32.

Limopsis morningtonensis Pritchard, 1901.

Limopsis morningtonensis G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 14 (1), p. 24, pl. 2, figs. 6, 6*a*, August, 1901. F. Chapman, *ibid.*, 23 (2), p. 420, pl. 83, fig. 1; pl. 85, fig. 7, 1911.

M.U.G.D. No. 1778. Holotype, left valve, figured by Pritchard, loc. cit., 1901.

Miocene (Balcombian).

"Eocene clays of Gellibrand River, coast section below Curdie's Steps" (Pritchard, loc. cit., p. 24, 1903), Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Limopsis sp.

Limopsis sp. nov. (?), F. A. Singleton, Proc. Roy. Soc. Vic., n.s., 55 (2), p. 271, pl. 12, figs. *2a, b*, October, 1943.

M.U.G.D. No. 1872. FIGURED SPECIMEN, left valve, figured by Singleton, loc. cit., 1943.

Eocene.

Second point north-west of Pebble Point, coastal cliffs 2½ miles south-east of Princetown, Victoria.

Coll. Jan., 1942, and pres. G. Baker, Jan., 1943.

Lithophagus latecaudatus Pritchard, 1903:—**Modiolus latecaudatus** (Pritchard, 1903).

Lithophagus latecaudatus G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 15 (2), p. 88, pl. 14, fig. 4, February, 1903.

M.U.G.D. No. 1760. HOLOTYPE, left valve, figured by Pritchard, loc. cit, 1903.

Miocene (Janjukian).

"Lower beds of the Spring Creek series, or Bird Rock Bluff, near Geelong" (Pritchard, loc. cit., p. 88, 1903) = Lower Beds, Bird Rock cliffs, near Spring Creek, Torquay, Victoria.

Dr. Pritchard states (personal communication) the type to have come from near the "ledge", a well-known locality near the base of the cliffs just south-west of Bird Rock. The species is, however, not uncommon in the lowest bed, bluish clay, exposed in the centre of the half dome at this locality, and it is probable that the type is from this bed.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Lucina gunyoungensis Pritchard, 1903.

Lucina gunyoungensis G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 15 (2), p. 98, pl. 14, fig. 13, February, 1903.

M.U.G.D. No. 1767. HOLOTYPE, right valve, figured by Pritchard, loc. cit., 1903.

Miocene (Balcombian).

Grey clays of Grice's Creek = Gunyoung Creek, Mornington.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Lucina (Prolucina) mitchelli Pritchard, 1913:—**Prolucina mitchelli** (Pritchard, 1913).

Lucina (Prolucina) mitchelli G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 25 (2), p. 363, pl. 29, figs. 1-3, March, 1913.

M.U.G.D. No. 1668. HOLOTYPE, figured by Pritchard, loc. cit., 1913.

Lower Devonian (Yeringian).

"Cave Hill Quarries, Lilydale. Silurian limestone fauna" (Pritchard, loc. cit., p. 364, 1913) = Mitchell's quarry, Cave Hill, near Lilydale, Victoria.

Collected by S. R. Mitchell. Purchased from Dr. G. B. Pritchard, 11.10.39.

Modiola praerupta Pritchard, 1901:—**Modiolus praeruptus** (Pritchard, 1901).

Modiola praerupta G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 14 (1), p. 25, pl. 2, figs. 3, 4, August, 1901.

M.U.G.D. No. 1774. HOLOTYPE, right valve, figured by Pritchard, loc. cit., 1901.

Miocene (Balcombian).

"Eocene Septarian Limestones, near the Old Cement Works, Balcombe's Bay, Mornington" (Pritchard, loc. cit., p. 26, 1901), Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Modiola pueblensis Pritchard, 1901:—**Modiolus pueblensis** (Pritchard, 1901).

Modiola pueblensis G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 14 (1), p. 26, pl. 3, fig. 1, August, 1901.

M.U.G.D. No. 1777. HOLOTYPE, left valve, figured by Pritchard, loc. cit., 1901.

Miocene (Janjukian).

"Lower beds of the Spring Creek or Bird Rock Bluff, near Geelong" (Pritchard, loc. cit., p. 27, 1901)—Lower beds, Bird Rock cliffs, near Spring Creek, Torquay, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Modiolus praeruptus Pritchard, 1901.

See *Modiola praerupta* (Pritchard, 1901).

Modiolus pueblensis (Pritchard, 1901).

See *Modiola pueblensis* Pritchard, 1901.

Modiolaria balcombei Pritchard, 1901:—**Musculus balcombei** (Pritchard, 1901).

Modiolaria balcombei G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 14 (1), p. 29, pl. 3, fig. 2, August, 1901.

M.U.G.D. No. 1776. HOLOTYPE, figured by Pritchard, loc. cit., 1901.

Miocene (Balcombian).

"Eocene clays from the Old Cement Works, Balcombe's Bay, Mornington" (Pritchard, loc. cit., p. 30, 1901), Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Modiolus latecaudatus (Pritchard, 1903).

See *Lithophagus latecaudatus* Pritchard, 1903.

Musculus balcombei (Pritchard, 1901).

See *Modiolaria balcombei* Pritchard, 1901.

Myochama trapezia Pritchard, 1895.

Myochama trapezia G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 7, p. 227, pl. 12, figs. 8, 9, January, 1895.

M.U.G.D. No. 1747. SYNTYPE, left valve, figured by Pritchard, loc. cit., fig. 8, 1895.

M.U.G.D. No. 1748. SYNTYPE, right valve, figured by Pritchard, loc. cit., fig. 9, 1895.

Miocene (Balcombian).

Blue clays, Curlewis, Bellarine Peninsula, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Mytilicardia kalimnae Pritchard, 1903.

Mytilicardia kalimnae G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 15 (2), p. 97, pl. 12, fig. 4, February, 1903.

M.U.G.D. No. 1754. Holotype, left valve, figured by Pritchard, loc. cit., 1903.

Lower Pliocene (Kalimnan).

Jimmy's Point [= Jemmy's Point], Kalimna, Gippsland Lakes, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Mytilus mooraboolensis Pritchard, 1903:—**Aulacomya mooraboolensis** (Pritchard, 1903).

Mytilus mooraboolensis G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 15 (2), p. 88, pl. 14, fig. 1, February, 1903.

M.U.G.D. No. 1757. Holotype, right valve, figured by Pritchard, loc. cit., 1903.

Miocene (Janjukian).

"Lower beds of the Spring Creek series, or Bird Rock Bluff, near Geelong" (Pritchard, loc. cit., p. 89, 1903) = Lower beds, Bird Rock cliffs, near Spring Creek, Torquay, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Nucula (Ennucula) gricei Singleton, 1941.

"*Nucula tenisoni* Pritchard": F. A. Singleton, Proc. Roy. Soc. Vic., n.s., 44 (2), p. 290, pl. 24, figs. 5*a*, 5*b*, April, 1932. Not *Nucula tenisoni* G. B. Pritchard, *ibid.*, 8, p. 128, April, 1896.

Nucula (Ennucula) gricei F. A. Singleton, *ibid.*, 53 (2), p. 423, pl. 20, figs. 1*a*, 1*b*, July, 1941.

M.U.G.D. No. 1311. Holotype, figured by Singleton, loc. cit., 1932 (as hypotype of *N. tenisoni*) and loc. cit., 1941.

Miocene (Balcombian).

Grice's Creek, between Frankston and Mornington, Victoria.

Coll and pres. F. A. Singleton, 29.2.32.

Nucula kalimnae Singleton, 1932:—**Nucula (Ennucula) kalimnae** Singleton, 1932.

"*Nucula tumida* Tenison-Woods": R. Tate, Trans. Roy. Soc. S. Aust., 8, p. 127, pl. 6, figs. 6*a*, 6*b*, May, 1886. Not *Nucula tumida* J. E. T. Woods, Pap. Proc. Roy. Soc. Tas. for 1876, p. 111, 1877.

Nucula kalimnae F. A. Singleton, Proc. Roy. Soc. Vic., n.s., 44 (2), p. 292, pl. 24, figs. 7*a*, 7*b*, 8*a*, 8*b*, 9, April, 1932.

M.U.G.D. No. 1312. Holotype, figured by Singleton, loc. cit., figs. 7*a*, 7*b*, 1932.

Lower Pliocene (Kalimnan).

Jemmy's Point, Kalimna, Victoria.

Coll. and pres. F. A. Singleton, 29.2.32.

M.U.G.D. No. 1313. Paratype, figured by Singleton, loc. cit., figs. 8*a*, 8*b*, 1932.

M.U.G.D. No. 1314. Paratype, figured by Singleton, loc. cit., fig. 9, 1932.

Lower Pliocene (Kalimnan).

Upper beds, Muddy Creek, near Hamilton, Victoria.

Purchased from T. Worcester.

Nucula (Ennucula) kalimnae Singleton, 1932.

See *Nucula kalimnae* Singleton, 1932.

Nuculana acuticauda (Pritchard, 1901).

See *Leda acuticauda* Pritchard, 1901.

Nuculana fontinalis (Pritchard, 1901).

See *Leda fontinalis* Pritchard, 1901.

Nuculana paucigradata Singleton, 1943.

Nuculana paucigradata F. A. Singleton, Proc. Roy. Soc. Vic., n.s., 55 (2), p. 268, pl. 12, figs. 1*a*, *b*, October, 1943.

M.U.G.D. No. 1868. HOLOTYPE, left valve, figured by Singleton, loc. cit., 1943.

Eocene.

Second point north-west of Pebble Point, coastal cliffs 2½ miles south-east of Princetown, Victoria.

Coll. Jan., 1942, and pres. G. Baker, Jan., 1943.

Nuculana (Scaeoleda) killara Singleton, 1941.

Nuculana (Scaeoleda) killara F. A. Singleton, Proc. Roy. Soc. Vic., n.s., 53 (2), p. 424, pl. 20, fig. 2, July, 1941.

M.U.G.D. No. 1673. HOLOTYPE, left valve, figured by Singleton, loc. cit., 1941.

Upper Pliocene (Werrikooian).

Glenelg River at "Roscoe's", Parish of Killara, Victoria.

Coll. 29.5.24, and pres. F. A. Singleton, 12.12.40.

Obs.—This specimen is missing. It was formerly No. 21 in F. A. Singleton's private collection.

Ostrea sinuata glenelgensis Singleton, 1941.

Ostrea sinuata glenelgensis F. A. Singleton, Proc. Roy. Soc. Vic., n.s., 53 (2), p. 426, pl. 20, fig. 6, July, 1941.

M.U.G.D. No. 1676. SYNTYPE, figured by Singleton, loc. cit., 1941.

M.U.G.D. No. 1677. SYNTYPE, counterpart of No. 1676.

Upper Pliocene (Werrikooian).

Glenelg River, Allotment 16A, Parish of Werrikoo, Western Victoria.

Coll. 30.5.24, and pres. F. A. Singleton, 12.12.40.

Pecten asperrimus Lamarck, 1819.

See *Chlamys asperrimus asperrimus* (Lamarck, 1819).

Pinna cordata Pritchard, 1895.

Pinna cordata G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 7, p. 228, pl. 12, figs. 4, 5, January, 1895.

M.U.G.D. No. 1744. HOLOTYPE, paired valves, figured by Pritchard, loc. cit., 1895.

Miocene (Barwonian: probably Balcombian).

Sandy limestones, Barwon River, near its junction with the Native Hut Creek, Victoria.

Coll. J. Betheras. Purchased from Dr. G. B. Pritchard, 11.10.39.

Prolucina mitchelli (Pritchard, 1913).

See *Lucina* (*Prolucina*) *mitchelli* Pritchard, 1913.

Trigonia semiundulata Jenkins, 1865:—**Eotrigonia semiundulata** (Jenkins, 1865).

Trigonia subundulata M'Coy MS.: H. M. Jenkins, Quart. Journ. Sci., 2, p. 363, 1865 (*nomen nudum*).

Trigonia semiundulata M'Coy MS.: H. M. Jenkins, *ibid.*, pl. opp. p. 630, fig. 6, 1865.

Trigonia semiundulata F. M'Coy, Geol. Mag., 3, p. 481, 1866.

Trigonia semiundulata F. McCoy Prodromus Palaeont. Vic., decade 2, p. 22, pl. 19, figs. 4, 5, 1878.

Trigonia semiundulata McCoy: W. Bednall, Trans. Phil. Soc. Adelaide, for 1877-8, p. 81, 1878. R. Tate, Trans. Roy. Soc. S. Aust., 8, p. 145, 1886. R. M. Johnston, Geol. Tas., p. 235, pl. 29, fig. 5, 1888. R. Etheridge, jun., Rec. Geol. Surv. N.S. Wales, 3 (4), p 115, 1893.

Trigonia subundulata (M'Coy MS.) Jenkins: G. F. Harris, Cat. Tert. Moll. Brit. Mus., pt. 1, p. 352, 1897.

Trigonia semiundulata Jenkins: G. B. Pritchard. Proc. Roy. Soc. Vic., n.s., 15 (2), p. 91, pl. 15, figs. 3, 4, 1903. J. Marwick, Rept. Aust. Assoc. Adv. Sci., 16, p. 327, 1924.

Trigonia subundulata Jenkins: H. Suter, N.Z. Geol. Surv. Pal. Bull. 2, p. 39, pl. 4, fig. 5, 1914.

M.U.G.D. No. 1768. Hypotype, right valve, figured by Pritchard, loc. cit., fig. 3, 1903.

M.U.G.D. No. 1769. Hypotype, right valve, figured by Pritchard, loc. cit., fig. 4, 1903.

Miocene (Janjukian).

"Spring Creek series" (Pritchard, loc. cit., p. 103, 1903) = Lower Beds, Bird Rock cliffs, near Spring Creek, Torquay, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Trigonia semiundulata Jenkins var. **granosa** Pritchard, 1903:—**Eotrigonia semiundulata granosa** (Pritchard, 1903).

Trigonia semiundulata Jenkins, variety *granosa*, G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 15 (2), p. 92, pl. 15, fig. 5, February, 1903.

M.U.G.D. No. 1770. Holotype, right valve, figured by Pritchard, loc. cit., 1903.

Miocene (Janjukian).

"Lower beds of the Spring Creek series, or Bird Rock Bluff, near Geelong" (Pritchard, loc. cit., p. 92, 1903) = Lower beds, Bird Rock cliffs, near Spring Creek, Torquay, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Trigonia semiundulata Jenkins var. **lutosa** Pritchard, 1903:—**Eotrigonia lutosa** (Pritchard, 1903).

Trigonia semiundulata Jenkins, variety *lutosa* G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 15 (2), p. 92, pl. 15, figs. 6, 7, February, 1903.

M.U.G.D. No. 1771. Syntype, left valve, figured by Pritchard, loc. cit., fig. 6, 1903.

M.U.G.D. No. 1772. Syntype, left valve, figured by Pritchard, loc. cit., fig. 7, 1903.

Miocene (Balcombian).

Lower Beds of Muddy Creek, Western Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Trigonia tatei Pritchard, 1895:—**Eotrigonia intersitans** (Tate, 1896).

Trigonia tatei G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 7, p. 225, pl. 12, figs. 1-3, January, 1895. G. F. Harris, Cat. Tert. Moll. Brit. Mus., pt. 1, p. 353, 1897. Not *Trigonia tatei* E. Holub and M. Neumayr, Denkschr. d. Math. Naturw. Cl. d. K. Akad. d. Wiss. Wien, 44, p. 275, pl. 2, fig. 3, 1881.

Trigonia tatei Pritchard: G. F. Harris, Cat. Tert. Moll. Brit. Mus., pt. 1, p. 353, 1897.

Trigonia intersitans R. Tate, nom. mut., in R. Tate and J. Dennant, Trans. Roy. Soc. S. Aust., 20 (1), p. 146 and footnote, September, 1896.

M.U.G.D. No. 1741. Syntype, left valve, figured by Pritchard, loc. cit., figs. 1, 3, 1895.

M.U.G.D. No. 1742. Syntype, right valve, figured by Pritchard, loc. cit., fig. 2, 1895.

M.U.G.D. No. 1743. Syntype, right valve, unfigured.

Miocene (Janjukian?).

"Lower Eocene calcareous sands, Moorabool Valley, near Maude" (Pritchard, loc. cit., p. 226, 1895) = Lower beds, Maude, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Venericardia excrescens (Pritchard, 1903).

See *Cardita excrescens* Pritchard, 1903.

Venericardia maudensis (Pritchard, 1895).

See *Cardita maudensis* Pritchard, 1895.

Verticordia excavata Pritchard, 1901.

Verticordia excavata G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 14 (1), p. 30, August, 1901.

M.U.G.D. No. 1799. Holotype, right valve, unfigured.

Miocene (Balcombian).

"Eocene clays from near the Old Cement Works, Balcombe's Bay, Mornington" (Pritchard, loc. cit., p. 30, 1901), Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

SCAPHOPODA.

Dentalium (Fissidentalium) gracilicostatum Singleton, 1943.

Dentalium (Fissidentalium) gracilicostatum F. A. Singleton, Proc. Roy. Soc. Vic., n.s., 55 (2), p. 275, pl. 12, figs. *6a*, *b*; pl. 13, figs. 9*a*, *b*, October, 1943.

M.U.G.D. No. 1871. Holotype, figured by Singleton, loc. cit., 1943.

Eocene.

Bay between first and second points north-west of Pebble Point, coastal cliffs 2½ miles south-east of Princetown, Victoria.

Coll. Jan., 1942, and pres. G. Baker, Jan., 1943.

GASTEROPODA.

Apiotoma bassi Pritchard, 1904.

Apiotoma bassi G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 17 (1), p. 328, pl. 19, fig. 11, September, 1904. H. J. Finlay, Trans. N.Z. Inst., 56 (1), p. 252, 1926. A. W. B. Powell, Bull. Auck. Inst. Mus., 2, p. 65, 1942. A. W. B. Powell, Rec. Auck. Inst. Mus., 3 (1), p. 20, 1944.

M.U.G.D. No. 1825. Holotype, figured by Pritchard, loc. cit., 1904.

Miocene (Janjukian).

"Clays of the Cape Otway section, near Point Flinders" (Pritchard, loc. cit., p. 329, 1904), Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Apiotoma granti (Pritchard, 1904).

See *Pleurotoma granti* Pritchard, 1904.

Astele millegranosa Pritchard, 1904.

Astele millegranosa G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 17 (1), p. 332, pl. 19, figs. 7, 8, September, 1904.

M.U.G.D. No. 1828. Holotype, figured by Pritchard, loc. cit., 1904.

Miocene (Balcombian).

Lower beds, Muddy Creek, near Hamilton, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Astralium (Imperator) johnstoni Pritchard, 1896:—**Imperator johnstoni** (Pritchard, 1896).

Astralium (Imperator) johnstoni G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 8, p. 116, April, 1896.

M.U.G.D. No. 1810. Syntype, internal cast in two pieces (1810A and 1810B) which fit together, unfigured.

Miocene (Balcombian?)

"Royal Park" (Pritchard, loc. cit., p. 118, 1896) = Lower beds, Royal Park railway cutting, between Flemington and Royal Park stations, near Melbourne, Victoria.

Collected by Rev. M. Ramage (?). Purchased from Dr. G. B. Pritchard, 11.10.39.

M.U.G.D. No. 1811. Syntype, external mould, unfigured.

M.U.G.D. No. 1812. Syntype, internal cast (not a counterpart of preceding), unfigured.

Miocene (Balcombian?).

"Eocene ferruginous beds of Keilor" (Pritchard, loc. cit., p. 118, 1896) = Green Gully, near Keilor, Victoria.

Collected by T. S. Hart (?). Purchased from Dr. G. B. Pritchard, 11.10.39.

Obs.—In the synonymy cited by Pritchard is included *Imperator hudsoniana* R.M. Johnston, Geology of Tasmania, pl. 29, figs. 12, 12*a*, 1888, which would seem to be the valid name for the present species. Since Pritchard (loc. cit.) regards their identity as extremely doubtful and the two come from different geological horizons, Pritchard's name has been allowed to stand.

Aulica weldii (T. Woods, 1876).

See *Voluta weldii* T. Woods, 1876.

Aulica weldii angustior (Pritchard, 1913).

See *Voluta weldii* var. *angustior* Pritchard, 1913.

Aulica weldii intermedia (Pritchard, 1913).

See *Voluta weldii* var. *intermedia* Pritchard, 1913.

Austrolithes bulbodes (Tate, 1888).

See *Clavella bulbodes* (Tate, 1888).

Austrolithes platystropha (Pritchard, 1904).

See *Clavella platystropha* Pritchard, 1904.

Bankivia howitti Pritchard, 1903.

Bankivia howitti G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 17 (1), p. 334, pl. 18, fig. 1, September, 1904.

M.U.G.D. No. 1817. Holotype, figured by Pritchard, loc. cit., 1904.

Lower Pliocene (Kalimnan).

("Sandy clays of Jimmy's Point, Gippsland" (Pritchard, loc. cit., p. 334, 1904) — Jemmy's Point, Kalimna, Gippsland Lakes, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Cantharidus serratulus Pritchard, 1904.

Cantharidus serratulus G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 17 (1), p. 331, pl. 19, figs. 5, 6, September, 1904.

M.U.G.D. No. 1826. Syntype, figured by Pritchard, loc. cit., fig. 5, 1904.

M.U.G.D. No. 1827. Syntype, figured by Pritchard, loc. cit., fig. 6, 1904.

Miocene (Balcombian).

Lower beds, Muddy Creek, near Hamilton, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Clavella bulbodes (Tate, 1888):—**Austrolithes bulbodes** (Tate, 1888).

Fusus bulbodes R. Tate, Trans. Roy. Soc. S. Aust., 10, p. 139, pl. 7, fig. 8, 1888.

Clavilithes bulbodes R. Tate. Journ. Roy. Soc. N.S. Wales, 27, p. 170, 1894.

Clavella bulbodes Tate: G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 14 (1), p. 48, 1901. G. B. Pritchard, *ibid.*, 17 (1), p. 320, pl. 18, figs. 2, 3, 1904.

M.U.G.D. No. 1800. Hypotype, figured by Pritchard, loc. cit., fig. 3, 1904.

M.U.G.D. No. 1801. Hypotype, juvenile, figured by Pritchard, loc. cit., fig. 2, 1904.

Miocene (Balcombian).

"Clays of the Old Cement Works, Balcombe's Bay" (Pritchard, loc. cit., p. 322, 1904), Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Clavella platystropha Pritchard, 1904: — **Austrolithes platystropha** (Pritchard, 1904).

Clavella platystropha G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 17 (1), p. 322, pl. 18, figs. 4, 5, September, 1904.

M.U.G.D. No. 1802. Holotype, figured by Pritchard, loc. cit., fig. 4, 1903.

M.U.G.D. No. 1803. Paratype, juvenile, figured by Pritchard, loc. cit., fig. 5. 1903.

Miocene (Balcombian).

"Lower Beds of Muddy Creek sections near Hamilton, Western Victoria" (Pritchard, loc. cit., p. 323, 1904).

Purchased from Dr. G. B. Pritchard, 11.10.39.

Collonia geelongensis Pritchard, 1904.

Collonia geelongensis G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 17 (1), p. 330, pl. 18, figs. 8, 9, September, 1904.

M.U.G.D. No. 1819. Holotype, figured by Pritchard, loc. cit., 1904.

Miocene (Balcombian).

"Clays over Polyzoal Rock, Filter Quarries, Batesford, near Geelong" (Pritchard, loc. cit., p. 330, 1904), Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Collonia otwayensis Pritchard, 1904.

Collonia otwayensis G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 17 (1), p. 331, pl. 18, figs. 6, 7, September, 1904.

M.U.G.D. No. 1818. Holotype, figured by Pritchard, loc. cit., 1904.

Miocene (Janjukian).

"Clays and sandy clays of the Cape Otway section near Point Flinders" (Pritchard, loc. cit., p. 331, 1904), Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Columbella approximans Pritchard, 1904.

Columbella approximans G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 17 (1), p. 325, pl. 18, figs. 12, 13, September, 1904.

M.U.G.D. No. 1821. Holotype, figured by Pritchard, loc. cit., 1904.

Miocene (Balcombian).

"Clays of the Old Cement Works, Balcombe's Bay, Mornington" (Pritchard, loc. cit., p. 325, 1904), Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Columbella balcombensis Pritchard, 1904.

Columbella clathrata R. Tate MS.

Columbella balcombensis G. B. Pritchard, Proc. Roy. Soc Vic., n.s., 17 (1), p. 324, pl 18, figs. 10, 11, September, 1904.

M.U.G.D. No. 1820. Holotype, figured by Pritchard, loc. cit., 1904.

Miocene (Balcombian).

"Clays of the Old Cement Works, Balcombe's Bay" (Pritchard, loc. cit., p. 324, 1904), Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Epideira selwyni (Pritchard, 1904).

See *Pleurotoma selwyni* Pritchard, 1904.

Epideira selwyni suppressa Finlay, 1927.

See *Pleurotoma selwyni* var. *laevis* Pritchard, 1904.

Ericusa fulgetroides (Pritchard, 1898).

See *Voluta fulgetroides* Pritchard, 1898.

Eutrochus fontinalis Pritchard, 1904.

Eutrochus fontinalis G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 17 (1), p. 333, pl. 19, fig. 9, September, 1904.

M.U.G.D. No. 1816. Holotype (imperfect), figured by Pritchard, loc. cit., 1904.

Miocene (Janjukian).

"Lower beds of the Spring Creek series, or Bird Rock Bluff, near Geelong" (Pritchard, loc. cit., p. 334, 1904) — Lower beds, Bird Rock cliffs, near Torquay, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Imperator johnstoni (Pritchard, 1896).

See *Astralium* (*Imperator*) *johnstoni* Pritchard, 1896.

Latirofusus cingulata Pritchard, 1896.

Latirofusus cingulata G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 8, p. 83, pl. 2, figs. 5, 6, April, 1896.

M.U.G.D. No. 1814. Holotype, figured by Pritchard, loc. cit., 1896.

Miocene (Janjukian).

"Lower beds of the lower eocene series of Spring Creek, near Geelong, Victoria" (Pritchard, loc. cit., p. 84, 1896) — Lower beds, Bird Rock cliffs, near Spring Creek, Torquay, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Lophiotoma murrayana (Pritchard, 1904).

See *Pleurotoma murrayana* Pritchard, 1904.

Murex wallacei Pritchard, 1898.

Murex wallacei G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 11 (1), p. 104, pl. 7, fig. 3, September, 1898.

M.U.G.D. No. 1831. Holotype, figured by Pritchard, loc. cit., 1898.

Miocene (Balcombian).

"Eocene clays of Mornington" (Pritchard, loc. cit., p. 105, 1898).

Coll. W. Wallace. Purchased from Dr. G. B. Pritchard, 11.10.39.

Niso kimberi Pritchard, 1906.

Niso kimberi G. B. Pritchard, Vic. Naturalist, 23 (6), p. 119, 4th October, 1906.

M.U.G.D. No. 1873. Holotype, unfigured.

Miocene (Janjukian).

"Lower beds of the Aldinga series, South Australia" (Pritchard, loc. cit., p. 119, 1903) — Lower beds, Aldinga Bay, South Australia.

Coll. W. J. Kimber. Purchased from Dr. G. B. Pritchard, 11.10.39.

Notopeplum liratum (Johnston, 1880).

See *Voluta lirata* Johnston, 1880.

Pleurotoma granti Pritchard, 1904:—**Apiotoma granti** (Pritchard, 1904).

Pleurotoma granti G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 17 (1), p. 336, pl. 19, fig. 3, September, 1904.

Apiotoma granti Pritchard: A. W. B. Powell, Bull. Auck. Inst. Mus., 2, p. 65, 1942 [as *Pleurotoma granti* Pritchard]. A. W. B. Powell, Rec. Auck. Inst. Mus., 3 (1), p. 21, 1944.

M.U.G.D. No. 1807. Holotype, figured by Pritchard, loc. cit., 1904.

Miocene (Balcombian).

Lower beds, Muddy Creek, near Hamilton, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Pleurotoma murrayana Pritchard, 1904:—**Lophiotoma murrayana** (Pritchard, 1904).

Pleurotoma murrayana G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 17 (1), p. 335, pl. 19, fig. 10, September, 1904.

Lophiotoma murrayana (Pritchard, 1904): A. W. B. Powell, Rec. Auck. Inst. Mus., 3 (1), p. 9, 1944.

M.U.G.D. No. 1824. Holotype, figured by Pritchard, loc. cit., 1904.

Miocene (Barwonian; probably Balcombian).

"River Murray Cliffs, near Morgan" (Pritchard, loc. cit., p. 336, 1904), South Australia. The label on the original box states "River Murray Cliffs near Mannum", which is evidently a *lapsus*.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Pleurotoma selwyni Pritchard, 1904:—**Epideira selwyni** (Pritchard, 1904).

Pleurotoma selwyni G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 17 (1), p. 326, pl. 19, fig. 1, September, 1904.

Turris selwyni (Pritchard, 1904): A. W. B. Powell, Rec. Auck. Inst. Mus., 3 (1), p. 8, 1944.

M.U.G.D. No. 1822. Holotype, figured by Pritchard, loc. cit., 1904.

Miocene (Balcombian).

Lower beds of Muddy Creek, near Hamilton, Western Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Pleurotoma selwyni var. **laevis** Pritchard, 1904:—**Epideira selwyni suppressa** Finlay, 1927.

Pleurotoma selwyni variety *laevis* G. B. Pritchard. Proc. Roy. Soc. Vic., n.s., 17 (1), p. 328, pl. 19, fig. 2, September, 1904. Not *Pleurotoma laevis* Bellardi, M. R. Acc. Sci. Torino, [2] 9, p. 542, 1848. Nor *Pleurotoma laevis* F. W. Hutton, Cat. Marine Moll. N.Z., p. 12, 1873 (=*Splendrillia aoteana* H. J. Finlay, nom. nov., Trans. N.Z. Inst., 61 (1), p. 47, 1930).

Epideira selwyni suppressa H. J. Finlay, nom. nov., Trans. N.Z. Inst., 57, p. 516, 19th January, 1927.

Epidirona suppressa (Finlay, 1927): A. W. B. Powell, Rec. Auck. Inst. Mus., 3 (1), p. 16, 1944.

M.U.G.D. No. 1823. Holotype, figured by Pritchard, loc. cit., 1904.

Miocene (Balcombian).

Lower beds of Muddy Creek, near Hamilton, Western Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Obs.—Finlay, loc. cit., 1927, cites as another homonym *Pleurotoma laevis* Bell, 1890, for which he provides *Raphitoma belliana*, nom. nov. But at the reference cited (Rept. Brit. Assoc. Adv. Sci. 60th Meeting (Leeds, 1890), p. 410, 1891) A. Bell includes in a list *Pleurotoma laevis* (n. sp.), which is a *nomen nudum*, next appearing in the synonymy of *Raphitoma laevis* (A. Bell) F. W. Harmer, Plioc. Moll. Gt. Britain, 2 (1), Palaeontogr. Soc., Lond., 72, for 1918, p. 523, pl. 47, fig. 10, December, 1920. This latter combination, which must be cited as *Raphitoma laevis* Harmer, 1922, does not clash with *Pleurotoma laevis* and therefore *Raphitoma belliana* Finlay, 1927, falls in its synonymy.

Pleurotomaria bassi Pritchard, 1903.

Pleurotomaria bassi Pritchard, Proc. Roy. Soc. Vic., n.s., 16 (1), p. 85, pl. 13, figs. 1, 2, September, 1903.

M.U.G.D. No. 1797. Holotype, figured by Pritchard, loc. cit., 1903.

Miocene (Janjukian).

"Basal horizon of the Table Cape Beds, Tasmania, in coarse ferruginous grits" Pritchard, loc. cit., p. 86, 1903).

Purchased from Dr. G. B. Pritchard, 11.10.39.

Pleurotomaria tertiaria McCoy, 1876.

Pleurotomaria Tertiaria F. McCoy, Prodromus Palaeont. Vic., decade 3, p. 23, pl. 25, figs. 1, 1*a*, 1*b*, 1876.

Pleurotomaria tertiaria McCoy: G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 16 (1), p. 83, pl. 14, figs. 1-4, 1903.

M.U.G.D. No. 1798. Hypotype, figured by Pritchard, loc. cit., figs. 1-3, 1903.

Miocene (Barwonian, probably Balcombian).

"? Corio Bay or Lower Moorabool Valley" (Pritchard, loc. cit., p. 91, 1903) Victoria. The specimen (No. 1798) when received from Dr. Pritchard was in a box marked "OAH. Geelong", which refers to Orphanage Hill, Fyansford, near Geelong, Victoria, a locality in the Lower Moorabool Valley.

Coll. Rev. A. W. Cresswell. Purchased from Dr. G. B. Pritchard, 11.10.39.

Pterospira gatliffi (Pritchard, 1898).

See *Voluta gatliffi* Pritchard, 1898.

Pterospira stephensi (Johnston, 1880).

See *Voluta stephensi* Johnston, 1880.

Solutofusus carinatus Pritchard, 1898.

Solutofusus carinatus G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 11 (1), p. 102, pl. 7, figs. 1, 1*a*, 2, September, 1898.

M.U.G.D. No. 1829. Holotype, figured by Pritchard, loc. cit., figs. 1, 1*a*, 1898.

M.U.G.D. No. 1830. Paratype, figured by Pritchard, loc. cit., fig. 2, 1898.

Miocene (Balcombian).

"Eocene clays of Balcombe's Bay, Mornington" (Pritchard, loc. cit., p. 103, 1898), Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Tentaculites matlockiensis Chapman, 1904.

Tentaculites matlockiensis F. Chapman, Proc. Roy. Soc. Vic., n.s., 16 (2), p. 338, pl. 31, figs. 1-3, 5, March, 1904. E. D. Gill, *ibid.*, 53 (1), p. 150, pl. 4, figs. 4, 5, 1941.

M.U.G.D. No. 1734. HYPOTYPE, internal cast, figured by Gill, loc. cit., fig. 4, 1941.

M.U.G.D. No. 1735. COUNTERPART OF HYPOTYPE, external mould (counterpart of No. 1734), unfigured.

"Silurian (Jordanian)" (Gill, loc. cit., p. 161, 1941) = Upper Silurian (Tanjilian).

Cutting on west bank of Muddy Creek (near McMahon's Creek) on south side of Warburton-Wood's Point Road, Victoria.

Presented by Rev. E. D. Gill, 24.5.41.

Tremanotus pritchardi Cresswell, 1893: — **Trematonotus pritchardi** (Cresswell, 1893).

Tremanotus [*sic*] *pritchardi* A. W. Cresswell, Proc. Roy. Soc. Vic., n.s., 5, p. 42 and addenda slip opposite p. 38, pl. 8, fig. 1 (3 figs.), May, 1893.

M.U.G.D. No. 1666. HOLOTYPE, figured by Cresswell, loc. cit., 1893.

M.U.G.D. No. 1667. COUNTERPART OF HOLOTYPE, part of external mould, unfigured.

Lower Devonian (Yeringian).

Cave Hill Quarry, Lilydale, Victoria. The type material is stated by Dr. Pritchard (personal communication, 1939) to be from the south face of the quarry (Mitchell's quarry).

Purchased from Dr. G. B. Pritchard, 11.10.39.

Trematonotus pritchardi (Cresswell, 1893).

See *Tremanotus pritchardi* Cresswell, 1893.

Trophon selwyni Pritchard, 1896.

Trophon selwyni G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 8, p. 79, pl. 2, fig. 7, April, 1896.

M.U.G.D. No. 1815. HOLOTYPE, figured by Pritchard, loc. cit., 1896.

Miocene (Janjukian).

"Lower beds of the lower eocene of Spring Creek, near Geelong, Victoria" (Pritchard, loc. cit., p. 81, 1896) = Lower beds, Bird Rock cliffs, near Spring Creek, Torquay, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Turbo hamiltonensis Pritchard, 1904:—**Turbo (Subninella) grangensis** Pritchard, 1906.

Turbo paucigranosa R. Tate MS.: J. Dennant, Trans. Roy. Soc. S. Aust., 11, p. 48, 1889 (list name).

Turbo hamiltonensis G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 17 (1), p. 329, pl. 19, fig. 4, September, 1904. Not *Turbo hamiltonensis* G. F. Harris, Cat. Tert. Moll. Brit. Mus., pt. 1, p. 274, pl. 8, fig. *3a-c*, 1897.

Turbo grangensis G. B. Pritchard, nom. mut., Vic. Naturalist, 23 (6), p. 117, 4th October, 1906. F. Chapman, Proc. Roy. Soc. Vic., n.s., 35 (1), p. 10, pl. 2, figs. 13, 14, 1922.

M.U.G.D. No. 1808. HOLOTYPE, figured by Pritchard, loc. cit., 1904.

Lower Pliocene (Kalimnan).

"Upper beds of the Grange Burn, near Hamilton, Western Victoria" (Pritchard, loc. cit., p. 330, 1904).

Purchased from Dr. G. B. Pritchard, 11.10.39.

Turbo (Subninella) grangensis Pritchard, 1906.

See *Turbo hamiltonensis* Pritchard, 1904.

Voluta fulgetroides Pritchard, 1898:—**Ericusa fulgetroides** (Pritchard, 1898).

Voluta fulgetroides G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 11 (1), p. 105, pl. 7, fig. 4, September, 1898.

M.U.G.D. No. 1804. HOLOTYPE, figured by Pritchard, loc. cit., 1898.

Lower Pliocene (Kalimnan).

"Miocene beds of Muddy Creek" (Pritchard, loc. cit., p. 106, 1898) = Upper beds, Muddy Creek, near Hamilton, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Voluta gatliffi Pritchard, 1898:—**Pterospira gatliffi** (Pritchard, 1898).

Voluta gatliffi G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 11 (1), p. 108, pl. 8, fig. 6, September, 1898.

M.U.G.D. No. 1805. HOLOTYPE, figured by Pritchard, loc. cit., 1898.

Miocene (Balcombian).

"Eocene beds of Muddy Creek, Western Victoria" (Pritchard, loc. cit., p. 109, 1898) = Lower beds, Muddy Creek, near Hamilton, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Voluta halli Pritchard, 1896.

Voluta halli G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 8, p. 101, pl. 2, figs. 1-3, April, 1896. G. B. Pritchard, *ibid.*, 26 (1), p. 198, 1913.

M.U.G.D. No. 1789. HOLOTYPE, figured by Pritchard, loc. cit., fig. 1, 1896.

Miocene (Janjukian).

"Lower Eocene beds at Spring Creek, near Geelong" (Pritchard, loc. cit., p. 102, 1896) = Lower beds, Bird Rock cliffs, near Spring Creek, Torquay, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

M.U.G.D. No. 1790. PARATYPE, juvenile, figured by Pritchard, loc. cit., fig. 2, 1898.

M.U.G.D. No. 1791. PARATYPE, juvenile, figured by Pritchard, loc. cit., fig. 3, 1898.

Miocene (Balcombian).

"Eocene clays of Curlewis, Bellarine Peninsula, Victoria" (Pritchard, loc. cit., p. 102, 1896).

Purchased from Dr. G. B. Pritchard, 11.10.39.

Voluta hamiltonensis Pritchard, 1898.

Voluta hamiltonensis G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 11 (1), p. 107, pl. 8, fig. 5, September, 1898.

M.U.G.D. No. 1832. HOLOTYPE, figured by Pritchard, loc. cit., 1898.

Miocene (Balcombian).

"Eocene beds of Muddy Creek, Western Victoria" (Pritchard, loc. cit., p. 108, 1898) = Lower beds, Muddy Creek, near Hamilton, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Voluta lirata Johnston, 1880:—**Notopeplum liratum** (Johnston, 1880).

"*Voluta lirata* R. M. Johnston," Pap. Roy. Soc. Tas. for 1879, p. 37, 1880. Not *Voluta lirata* Johnston: R. Tate, Trans. Roy. Soc. S. Aust., 11, p. 130, pl. 2, fig. 4, 1889; nor G. F. Harris, Cat. Tert. Moll. Brit. Mus., pt. 1, p. 103, pl. 4, fig. 12, 1897 (=*V. costellifera* Tate, var.).

Voluta allporti R. M. Johnston, Geol. Tas., pl. 30, fig. 10, 1888. Not *Voluta allporti* R. M. Johnston, Pap. Roy. Soc. Tas. for 1879, p. 35, 1880.

Voluta lirata Johnston: G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 26 (1), p. 197, pl. 20, figs. 7, 8, 1913.

M.U.G.D. No. 1795. HYPOTYPE, figured by Pritchard, loc. cit., 1913.

Miocene (Janjukian).

"Table Cape Beds, Tasmania" (Pritchard, loc. cit., p. 192, 1913) = Table Cape, near Wynyard, Tasmania. The "Table Cape" beds are actually at the Fossil Bluff, west of the mouth of the Inglis River at Wynyard. The colour and matrix suggest the lower or "Crassatella" bed at this locality.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Voluta pueblensis Pritchard, 1898.

Voluta pueblensis G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 11 (1), p. 109, pl. 8, fig. 7, September, 1898.

M.U.G.D. No. 1806. HOLOTYPE, figured by Pritchard, loc. cit., 1898.

Miocene (Janjukian).

"Lower horizon of the Eocene beds of Spring Creek, south of Geelong" (Pritchard, loc. cit., p. 110, 1898. Erroneously given as "Muddy Creek" on explanation to plate, p. 111, 1898) = Lower beds, Bird Rock cliffs, near Spring Creek, Torquay, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Voluta spenceri Pritchard, 1896.

Voluta spenceri G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 8, p. 98, pl. 4, figs. 1, 2, April, 1896. G. B. Pritchard, *ibid.*, 26 (1), p. 198, 1913.

M.U.G.D. No. 1813. PARATYPE, imperfect apical portion, figured by Pritchard, loc. cit., fig. 2, 1896.

Miocene (Balcombian).

"Eocene clays of Curlewis, Bellarine Peninsula, Victoria."

Purchased from Dr. G. B. Pritchard, 11.10.39.

Voluta stephensi Johnston, 1880:—**Pterospira stephensi** (Johnston, 1880).

Voluta stephensi R. M. Johnston, Pap. Roy. Soc. Tas. for 1879, p. 35, 1880. G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 8, p. 94, 1896. G. B. Pritchard, *ibid.*, 26 (1), p. 195, pl. 21, figs. 3, 4, September, 1913.

M.U.G.D. No. 1796. HYPOTYPE, figured by Pritchard, *loc. cit.*, 1913.

Miocene (Janjukian).

"Table Cape Beds, Tasmania" (Pritchard, loc. cit., p. 192, 1913) = Table Cape, near Wynyard, Tasmania. Colour and matrix definitely allocate it to the lower or "Crassatella" bed at this, the type locality.

Voluta weldii T. Woods, 1876:—**Aulica weldii** (T. Woods, 1876).

Voluta Weldii J. E. T. Woods, Pap. Roy. Soc. Tas. for 1875, p. 24, pl. 1, fig. 2, 1876. R. M. Johnston, Geol. Tas., pl. 30, figs. 6-6*b* (*non* fig. 7), 1888. R. Tate, Trans. Roy. Soc. S. Aust., 11, p. 134, 1889. G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 8, p. 93, 1896.

Voluta (*Aulica*) *weldi* T. Woods: G. F. Harris, Cat. Tert. Moll. Brit. Mus., pt. 1, p. 102, 1897.

Voluta (*Aulica*) *Weldii* T. Woods: R. Tate, Journ. Roy. Soc. N.S. Wales, 31, p. 386, 1898.

Voluta weldii T. Woods: G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 26 (1), p. 193, pl. 20, fig. 1, 1913.

M.U.G.D. No. 1792. Hypotype, figured by Pritchard, loc. cit., 1913.

Miocene (Janjukian).

"Table Cape Beds, Tasmania" (Pritchard, loc. cit., p. 192, 1913) = Table Cape, near Wynyard, Tasmania. The matrix suggests the upper or Turritella bed at this, the type locality.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Voluta weldii var. **angustior** Pritchard, 1913:—**Aulica weldii angustior** (Pritchard, 1913).

Voluta weldii variety *angustior* G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 26 (1), p. 194, pl. 20, figs. 4, 5, September, 1913.

M.U.G.D. No. 1794. Holotype, figured by Pritchard, loc. cit., 1913.

"Table Cape Beds, Tasmania" (Pritchard, loc. cit., p. 192, 1913) = Table Cape, near Wynyard, Tasmania. Colour and matrix suggest the lower or "Crassatella" bed at this locality.

Voluta weldii var. **intermedia** Pritchard, 1913:—**Aulica weldii intermedia** (Pritchard, 1913)

Voluta weldii variety *intermedia* G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 26 (1), p. 193, pl. 20, figs. 2, 3, September, 1913.

M.U.G.D. No. 1793. Holotype, figured by Pritchard, loc. cit., 1913.

Miocene (Balcombian).

Lower beds, Muddy Creek, near Hamilton, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

CEPHALOPODA.

Aturoidea distans Teichert, 1943.

Aturoidea distans C. Teichert, Proc. Roy. Soc. Vic., n.s., 55 (2), p. 260, text fig. 1, pl. 11, figs. 1-4, October, 1943.

M.U.G.D. No. 1860. Holotype, figured by Teichert, loc. cit., text fig. 1, pl. 11, fig. 1, 1943

M.U.G.D. No. 1861. Paratype, figured by Teichert, loc, cit., pl. 11, figs. 2, 3, 1943.

M.U.G.D. No. 1862. Paratype, figured by Teichert, loc. cit., pl. 11, fig. 4, 1943.

Eocene.

Grit band 30-40 feet above Jurassic-Tertiary unconformity, second point north-west of Pebble Point, south-east of Princetown, Victoria.

Coll. Jan., 1942, and pres. G. Baker, Jan., 1943.

Nautilus geelongensis Foord, 1891.

Nautilus geelongensis A. H. Foord, Cat. Foss. Cephal. Brit. Mus., pt. 2, p. 332, figs. 69 *a-c* (woodcut), 1891. F. Chapman, Proc. Roy. Soc. Vic., n.s., 27 (2), p. 354, pl. 4, figs. 7-9, 1915. C. Teichert, *ibid.*, 55 (2), p. 263, text fig. 4 (p. 262), 1943.

M.U.G.D. No. 1863. HYPOTYPE, suture figured by Teichert, loc. cit., 1943.

Upper Miocene (Cheltenhamian).

"Cheltenham" = Upper beds, Beaumaris, Victoria. The specimen is an internal cast in brown sandstone.

Purchased from T. Worcester.

Nautilus victorianus Teichert, 1943.

Nautilus victorianus C. Teichert, Proc. Roy. Soc. Vic., n.s., 55 (2), p. 262, text fig. 2, pl. 11, figs. 5-7, October, 1943.

M.U.G.D. No. 1864. HOLOTYPE, figured by Teichert, loc. cit., 1943.

Eocene.

Grit band 30-40 feet above Jurassic-Tertiary unconformity, second point north-west of Pebble Point, south-east of Princetown, Victoria.

Coll. Jan., 1942, and pres. G. Baker, Jan., 1943.

Tetrabelus macgregori Glaessner, 1945.

Tetrabelus magregori M. F. Glaessner, Proc. Roy. Soc. Vic., n.s., 56 (2), p. 160, pl. 6, figs. 12*a*, *b*, 1945.

M.U.G.D. No. 1876. HOLOTYPE, figured by Glaessner, *loc cit.*, 1945.

Cretaceous (Purari Formation: Aptian-Albian).

Paw Creek, Purari River, Papua.

Coll. S. W. Carey and pres. M. F. Glaessner, 29.9.44.

CIRRIPEDIA.

Lepas pritchardi T. S. Hall, 1902.

Lepas pritchardi T. S. Hall, Proc. Roy. Soc. Vic., n.s., 15 (1), p. 83, pl. 11, figs. 11-13, August, 1902.

M.U.G.D. No. 1809. PARATYPE (?), unfigured.

Miocene (Janjukian).

"Spring Creek" (Hall, loc. cit., p. 84, 1902) = Bird Rock Cliffs, near Spring Creek, Torquay, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Obs.—This specimen is mentioned by Hall in his original description but it is not specifically stated to be a supplementary type. The "type" (i.e., holotype) is from Waurn Ponds and is now in the National Museum, Melbourne.

PHYLLOCARIDA.

Hymenocaris ornata Sherrard, 1930.

Hymenocaris ornata K. Sherrard, Proc. Roy. Soc. Vic., n.s., 42 (2), p. 136, pl. 11, figs. 1-3, 13th March, 1930.

M.U.G.D. No. 993. Holotype, figured by Sherrard, loc. cit., 1930.

M.U.G.D. No. 994. Counterpart of holotype No. 993.

Lower Ordovician (Lancefieldian, Zone La 2).

Quarry, Allot. 56, Parish of Goldie, near Lancefield, Victoria.

Coll. Sept., 1923 and pres. Mrs. K. Sherrard, 12.12.29.

MEROSTOMATA.

Hemiaspis tunnecliffei Chapman, 1932.

Hemiaspis tunnecliffei F. Chapman, Proc. Roy. Soc. Vic., n.s., 44 (1), p. 102, pl. 14, figs. 4, 5, 29th February, 1932.

M.U.G.D. No. 1201. Holotype, figured by Chapman, loc. cit., 1932, where the register number is erroneously stated to be 1801.

Upper Silurian (Melbournian).

"Road Cutting, Studley Park, Kew, Melbourne, Victoria" (Chapman, loc. cit., 1932). In the Register of Fossils in Melbourne University Geology Department, the locality is given as "Track to Pumping Station (? Monograptus bed), near Johnston Street Bridge, Studley Park, Victoria."

Presented by Master T. Tunnecliffe, jun., 8.7.31.

PISCES.

Antiarchan fish, ?genus.

Antiarchan, genus indet., E. S. Hills, Proc. Roy. Soc. Vic., n.s., 48 (2), p. 163, text-fig. 3, 1st June, 1936.

M.U.G.D. No. 1590. Figured plaster cast, posterior median dorsal plate, figured by Hills, loc. cit., 1936.

Middle Devonian.

Gilberton District, Queensland.

Presented (plaster cast) by Dr. F. W. Whitehouse, 1935, the original being in his possession.

Bothriolepis gippslandiensis Hills, 1929.

Bothriolepis gippslandiensis E. S. Hills, Proc. Roy. Soc. Vic., n.s., 41 (2), p. 195, text fig. 2, No. 4 (p. 196), pl. 18, fig. 8, April, 1929. E. S. Hills, Geol Mag., 68 (5), p. 214, text figs. 5 (p. 215), 6, Nos. 1-3 (p. 218), 7, Nos. 1, 3 (p. 220), May, 1931.

M.U.G.D. No. 776. Holotype, specimen C.B., median occipital plate, figured by Hills, loc. cit., pl. 18, fig. 8, 1929.

M.U.G.D. No. 789. Paratype, specimen C.L., external marginal plate, figured by Hills, loc. cit., text fig. 2, No. 6, 1929.

M.U.G.D. No. 1882. Hypotype, specimen T22*a*, anterior ventro-lateral plate, figured by Hills, loc. cit., pl. 11, fig. 5, 1931.

M.U.G.D. No. 1883. Counterpart of Hypotype No. 1882.

M.U.G.D. No. 1884. Hypotype, specimen T10*b*, pectoral appendage, figured by Hills, loc. cit., pl. 11, fig. 2, 1931.

M.U.G.D. No. 1885. Counterpart of Hypotype No. 1884.

M.U.G.D. No. 1886. Hypotype, specimen T28*a*, left posterior dorso-lateral plate, figured by Hills, loc. cit., pl. 11, fig. 3, 1931.

M.U.G.D. No. 1887. Hypotype, specimen T37*a*, anterior median dorsal plate, figured by Hills, loc. cit., pl. 11, fig. 6, 1931.

M.U.G.D. No. 1888. Hypotype, specimen T38*a*, anterior median dorsal plate, figured by Hills, loc. cit., pl. 11, fig. 4, 1931.

M.U.G.D. No. 1889. Counterpart of Hypotype No. 1888.

M.U.G.D No. 1890. Counterpart of Hypotype No. 1889.

M.U.G.D. No. 1891. Hypotype, specimen T36*a*, anterior median dorsal plate, figured (as median section) by Hills, loc. cit., text fig. 7, No. 1, 1931.

M.U.G.D. No. 1892. Counterpart of Hypotype No. 1887.

M.U.G.D. No. 1893. Plaster Cast of counterpart No. 1892.

M.U.G.D. No. 1894. Hypotype, specimen T8*a*, median occipital plate, and counterpart (No. 1895), specimen T8*b*, described by Hills, loc. cit., pp. 217-8, 1931.

M.U.G.D. No. 1896. Hypotype, specimen 1a, premedian plate, upper surface, and counterpart (No. 1897), specimen 1b, lower surface, described by Hills, loc. cit., pp. 218-9, 1931.

M.U.G.D. No. 1898. Hypotype, incomplete posterior median dorsal plate, described by Hills, loc. cit., p. 221, 1931, and anterior median dorsal plate.

M.U.G.D. No. 1899. Hypotype, specimen T27*a*, posterior dorso-lateral plate, upper surface, and counterpart (No. 1900), specimen T 27*b*, lower surface, described by Hills, loc. cit., p. 221, 1931.

M.U.G.D. No. 1901. Hypotype, specimen T34*a*, anterior dorso-lateral plate, upper surface, and counterpart (No. 1902), specimen T34*b*, lower surface, described by Hills, loc. cit., p. 221, 1931.

M.U.G.D. No. 1903. Hypotype, specimen T34*c*, posterior ventro-lateral plate, upper surface, described by Hills, loc. cit., p. 221, 1931.

M.U.G.D. No. 1904. Hypotype, specimen T26*a*, median ventral plate, upper surface, and counterpart (No. 1905), specimen T26*b*, lower surface, described by Hills, loc. cit., p. 221, 1931.

M.U.G.D. No. 1906. Hypotype, specimen T16*a*, brachial plates, upper surface, and counterpart (No. 1907), specimen T16*b*, lower surface, described by Hills, loc. cit., pp. 221-2, 1931.

Upper Devonian.

Blue Hills, near Taggerty, Victoria.

Coll. and pres. E. S. Hills, 20.2.29.

Bothriolepis sp.

Bothriolepis sp.: E. S. Hills, Proc. Roy. Soc. Vic., n.s., 48 (2), p. 165, text fig. 5, pl. 12 (p. 170), fig. 3, June, 1936.

M.U.G.D. No. 1588. Figured specimen, right pectoral fin, figured by Hills, loc. cit., pl. 12, fig. 3, 1936.

M.U.G.D. No. 1589. Figured specimen, ventro-lateral plate, figured by Hills, loc. cit., text fig. 5, 1936.

Upper Devonian.

Allotment 75A, Parish of Loyola, South Blue Range, near Mansfield, Victoria.

Coll. H. B. Hauser, 1933.

Diodon connewarrensis Chapman and Pritchard, 1907.

Diodon connewarrensis F. Chapman and G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 20 (1), p. 69, pl. 8, figs. 8-10, August, 1907. F. Chapman and F. A. Cudmore, *ibid.*, 36 (2), p. 147, 1924.

M.U.G.D. No. 1838. Holotype, spine, figured by Chapman and Pritchard, loc. cit., 1907.

Miocene (Balcombian).

Point Campbell clays, Lake Connewarre, near Geelong, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Diodon formosus Chapman and Pritchard, 1907.

Diodon formosus F. Chapman and G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 20 (1), p. 66, pl. 6, figs. 1-3; pl. 7; pl. 8, figs. 1-7, August, 1907. F. Chapman, Australasian Fossils, pp. 270, 271, fig. 131*f*, 1914. F. Chapman and F. A. Cudmore, Proc. Roy. Soc. Vic., n.s., 36 (2), p. 146, 1922.

M.U.G.D. No. 1837. Paratype, jaw of young example, figured by Chapman and Pritchard, loc. cit., pl. 8, fig. 4, 1907.

Upper Miocene (Cheltenhamian) [Beaumaris] or Lower Pliocene (Kalimnan) [Grange Burn].

Beaumaris, Port Phillip, Victoria (*fide* paper label with specimen, in Chapman's pencilled writing). Explanation to plate states fig. 4 (of which this is undoubtedly the original) to be from Grange Burn. The black colour of the specimen favours Grange Burn but is not decisive.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Dipterus microsoma (Hills, 1929).

See *Eoctenodus microsoma* Hills, 1929.

Edaphodon sweeti Chapman and Pritchard, 1907.

Edaphodon sweeti F. Chapman and G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 20 (1), p. 61, pl. 5, figs. 4-6, August, 1907. F. Chapman and F. A. Cudmore, *ibid.*, 36 (2), p. 141, pl. 11, figs. 38, 39, 1924.

M.U.G.D. No. 1834. Syntype, left palatine tooth, figured by Chapman and Pritchard, loc. cit., fig. 6, 1907.

Upper Miocene (Cheltenhamian).

Beaumaris, Port Phillip, Victoria. Though not so labelled, it is almost certainly from the nodule bed at the base of the cliffs.

Purchased from Dr. G. B. Pritchard, 11.10.39.

M.U G.D. No. 1835. Syntype, right vomerine tooth, figured by Chapman and Pritchard, loc. cit., fig. 5, 1907.

Lower Pliocene (Kalimnan).

Grange Burn, near Hamilton, Victoria.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Eoctenodus microsoma Hills, 1929:—**Dipterus microsoma** (Hills, 1929).

Eoctenodus microsoma E. S. Hills, Proc. Roy. Soc. Vic., n.s., 41 (2), p. 193, text fig. 2, Nos. 1-3, 5, 6 (p. 196), pl. 18, figs. 2-7, April, 1929.
Dipterus microsoma (Hills, 1929): E. S. Hills, Geol. Mag., 68 (5), p. 222, May, 1931.

M.U.G.D. No. 773. Holotype, specimen JFA, parasphenoid, figured by Hills, loc. cit., text fig. 2, No. 5, pl. 18, fig. 5, 1929. Associated is a scale, also figured on pl. 18, fig. 5.

M.U.G.D. No. 770. Paratype, specimen C. XVII. *a*, left dentary of young, figured by Hills, loc. cit., pl. 18, fig. 2, 1929.

M.U.G.D. No. 771. Paratype, scale, figured by Hills, loc. cit., pl. 18, fig. 3, 1929.

M.U.G.D. No. 772. Paratype, specimen C. XVIII. *a*, left cleithrum, figured by Hills, loc. cit., text fig. 2, No. 6, pl. 18, fig. 4, 1929.

M.U.G.D. No. 774. Paratype, specimen JC, scale, figured by Hills, loc. cit., pl. 18, fig. 6, 1929.

M.U.G.D. No. 775. Paratype, specimen JA, left dentary, figured by Hills, loc. cit., text fig. 2, No. 1, pl. 18, fig. 7, 1929.

M.U.G.D No. 780. Paratype, counterpart of paratype No. 771.

M.U.G.D. No. 781. Paratype, specimen C. XVIII. *b*, counterpart of paratype No. 772.

M.U.G.D. No. 782. Paratype, specimen JF, counterpart of holotype No. 773.

M.U.G.D. No. 783. Paratype, specimen C iv, counterpart of paratype No. 774.

M.U.G.D. No. 784. Paratype, specimen JB1, left dentary.

M.U.G.D. No. 785. Paratype, specimen C.MO1, median occipital, figured by Hills, loc. cit., text fig. 2, No. 2, 1929.

M.U.G.D. No. 786. Paratype, specimen C.MO2, counterpart of paratype No. 785.

M.U.G.D. No. 787. Paratype, specimen JE3, counterpart of paratype No. 784.

M.U.G.D. No. 788. Paratype, specimen C.C., clavicle, figured by Hills, loc. cit., text fig. 2, No. 3, 1929.

M.U.G.D. No. 1736. Paratype, specimen C xv, scales, fin-bones and rays, described by Hills, loc. cit., p. 195, 1929.

Upper Devonian.

Blue Hills, near Taggerty, Victoria.

Coll. and pres. E. S. Hills, 20.2.29.

Labrodon depressus Chapman and Pritchard, 1907:—
Nummopalatus depressus (Chapman and Pritchard, 1907.)

Trygon ensifer J. W. Davis (*pars*), Trans. Roy. Dubl. Soc. [2] 4, p. 37, pl. 6, figs. 13, 13*a*, 13*b*, 1888.

Labrodon depressus F. Chapman and G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 20 (1), p. 66, pl. 5, figs. 8, 9, August, 1907. F. Chapman, N.Z. Geol. Surv. Pal. Bull. 7, p. 27, pl. 6, figs. 13, 13*a*, 13*b*, 1918.

Nummopalatus depressus Chapman and Pritchard sp.: F. Chapman and F. A. Cudmore, Proc. Roy. Soc. Vic., n.s., 36 (2), p. 143, pl. 11, fig. 43, 1924.

M.U.G.D. No. 1836. Holotype, pharyngeal, figured by Chapman and Pritchard, loc. cit., 1907.

Upper Miocene (Cheltenhamian).

Beaumaris, Port Phillip, Victoria. Though not so stated, it is almost certainly from the nodule bed at this locality.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Myliobatis moorabbinensis Chapman and Pritchard, 1907.

Myliobatis moorabbinensis F. Chapman and G. B. Pritchard, Proc. Roy. Soc. Vic., n.s., 20 (1), p. 60, pl. 5, figs. 1-3, August, 1907. F. Chapman and F. A. Cudmore, *ibid.*, 36 (2), p. 138, 1924. Not "*Myliobatis moorabbinensis* Chapman and Pritchard": F. Chapman and C. J. Gabriel, *ibid.*, 27 (1), p. 57, pl. 10, fig. 57, 1914. F. Chapman, Rec. Geol. Surv. Vic., 3 (4), pp. 339, 353, 355, pl. 76, fig. 57, 1916. F. Chapman, Proc. Roy. Soc. Vic., n.s., 29 (2), p. 139, pl. 9, fig. 8 (= *Myliobatis affinis* F. Chapman and F. A. Cudmore, loc. cit., p. 139, pl. 10, fig. 36, 1924).

M.U.G.D. No. 1833. Paratype, figured by Chapman and Pritchard, loc. cit., fig. 3, 1907.

Upper Miocene (Cheltenhamian).

Beaumaris, Port Phillip, Victoria. Though not so labelled, it is almost certainly from the nodule bed at the base of the cliffs.

Purchased from Dr. G. B. Pritchard, 11.10.39.

Nummopalatus depressus (Chapman and Pritchard, 1907).

See *Labrodon depressus*, Chapman and Pritchard, 1907.

Phyllolepis sp.

Holonema cf. *rugosum* Newberry, 1889 [recte (Claypole, 1886)]: E. S. Hills, Proc. Roy. Soc. Vic., n.s., 41 (2), p. 197, April, 1929. Not *Pterichthys* (?) *rugosus* E. W. Claypole, Proc. Amer. Phil. Soc., 20 p. 666, with fig. 1883 = *Holonema rugosum* J. S. Newberry, Palaeozoic Fishes N. America, p. 92, 1889.

Phyllolepid plates: E. S. Hills, Geol. Mag., 68 (5), p. 212, text figs. 2 (p. 212), 3 (p. 213), May, 1931.

Phyllolepis sp.: E. S. Hills, Proc. Roy. Soc. Vic., n.s., 48 (2), p. 164, text fig. 4, pl. 12 (p. 170), figs. 1, 2, June, 1936.

M.U.G.D. No. 790. Figured specimen C.H., lateral plate, described by Hills, loc. cit., 1929, and figured, pl. 12, fig. 2, 1936.

M.U.G.D. No. 791. Figured specimen, plate, Type 1, figured by Hills, loc. cit., text fig. 2, No. 1, 1931.

M.U.G.D. No. 1878. Figured specimen, T.3*a* r, plate, Type 1, figured by Hills, loc. cit., text fig. 2, No. 2, 1931.

M.U.G.D. No. 1879. Counterpart of figured specimen No. 1878.

M.U.G.D. No. 1880. FIGURED SPECIMEN, T.1*a* P, plate, Type 2, figured by Hills, loc. cit., text fig. 2, No. 3, 1931.

Upper Devonian.

Blue Hills, near Taggerty, Victoria.

Coll. and pres. E. S. Hills, 20.2.29.

M.U.G.D. No. 1587. FIGURED SPECIMEN, ventral plate, figured by Hills, loc. cit., text fig. 4, 1936.

Upper Devonian.

Allotment 75A, Parish of Loyola, South Blue Range, near Mansfield, Victoria.

Coll. H. B. Hauser, 1933.

Spaniodon elongatus Pictet, 1850.

Spaniodon elongatus F. J. Pictet, Poiss. Foss. Mt. Liban, p. 35, pl. 6, figs. 1, 2, 1850. F. J. Pictet et A. Humbert, Nouv. Rech. Poiss Foss. Mt. Liban, p. 85, pl. 12, figs. 1, 2, 1866. J. W. Davis, Sci. Trans. Roy. Dublin Soc., [2] 3, p. 588, April, 1887. A. S. Woodward, Cat. Foss. Fishes Brit. Mus., pt. 4, p. 51, pl. 7, fig. 3, 1901. E. S. Hills, Proc. Roy. Soc. Vic., n.s., 48 (1), p. 50, pl. 2, December, 1935.

M.U.G.D. No. 833. HYPOTYPE, figured by Hills, loc. cit., 1935.

Upper Cretaceous.

Mount Lebanon, Syria.

Purchased from T. Worcester.

CETACEA.

Mammalodon colliveri Pritchard, 1939.

Mammalodon colliveri G. B. Pritchard, Vic. Naturalist, 55 (9), p. 157, text figs. 1 (p. 152), 2 (p. 154), 3 (p. 156), 4, 5 (p. 157), 4th January, 1939.

M.U.G.D. No. 1874. HOLOTYPE, skull and lower jaw, figured by Pritchard, loc. cit., 1939.

Miocene (Janjukian).

Lower beds, Bird Rock cliffs, near Spring Creek, Torquay, Victoria. "About 12 ft. above the level of the beach . . . barely a hundred yards around [S.W. of] the Bird Rock corner . . . ." (Pritchard, loc. cit., p. 151, 1939). It is from about a foot above the Spring Creek ledge at its extreme S.W. margin (F. S. Colliver, personal communication, 23 10.44) and is thus from within the Glycymeris beds.

Pres. F. S. Colliver, 19.10.39.